

FIG. 1

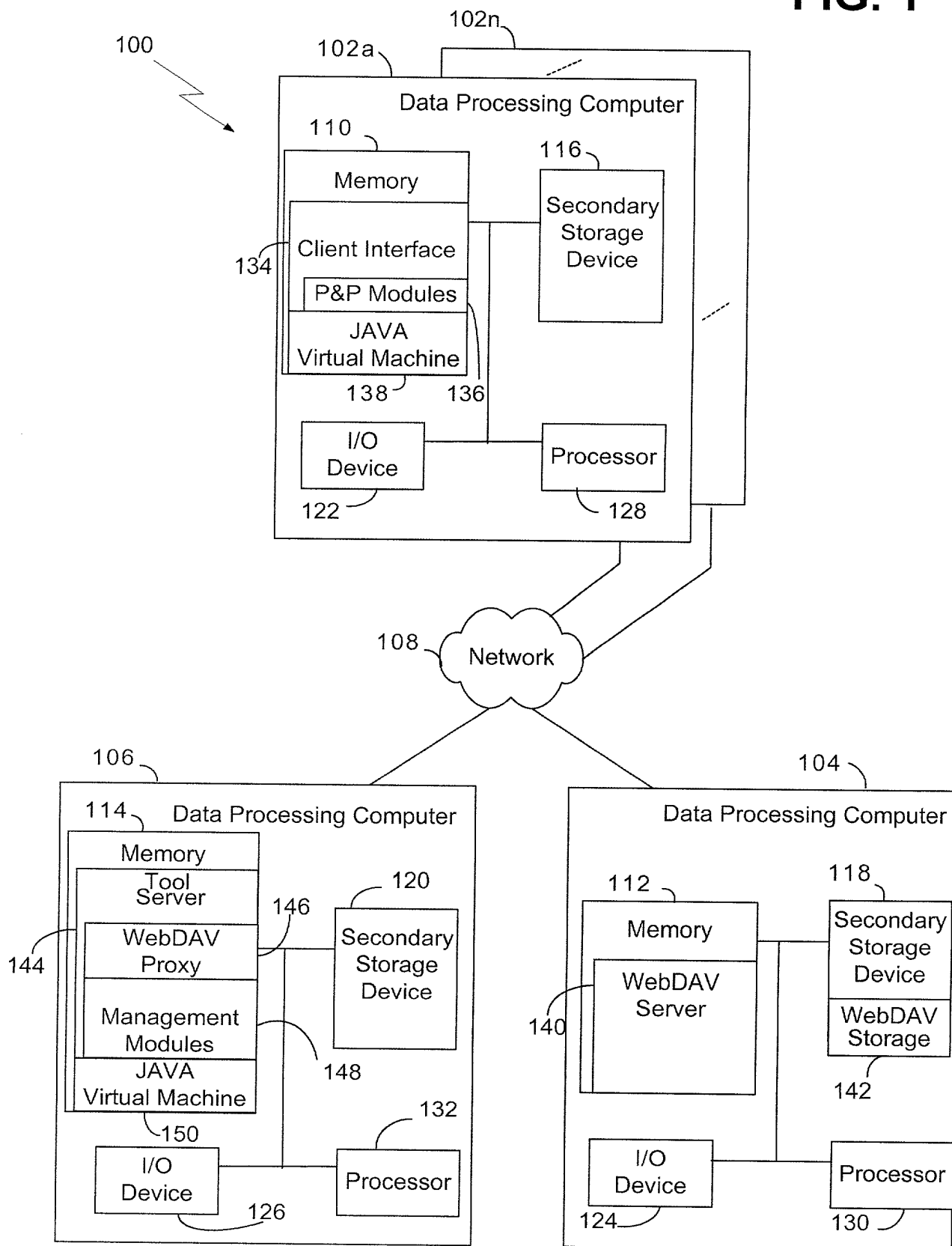


FIG. 2

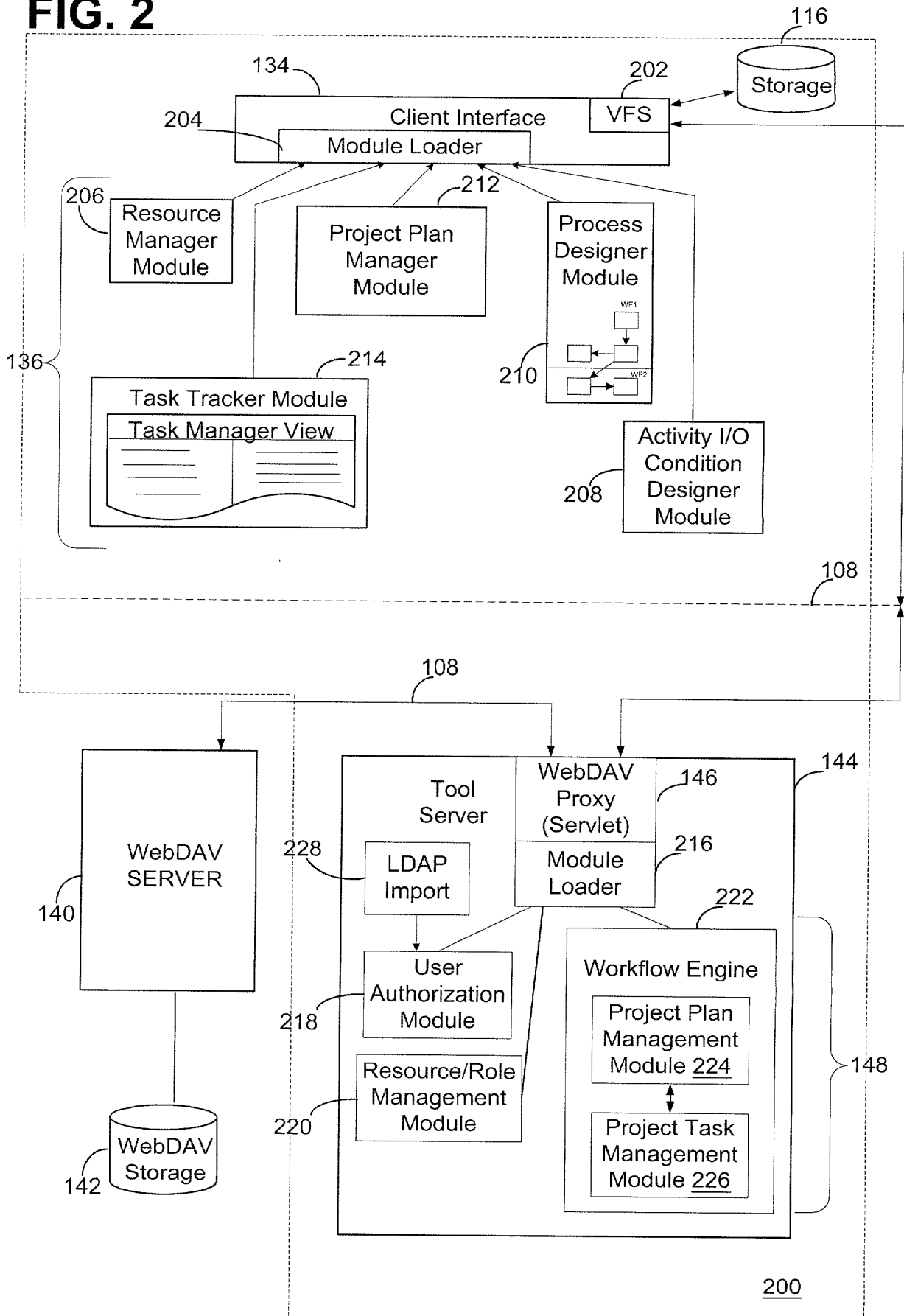


FIG. 3

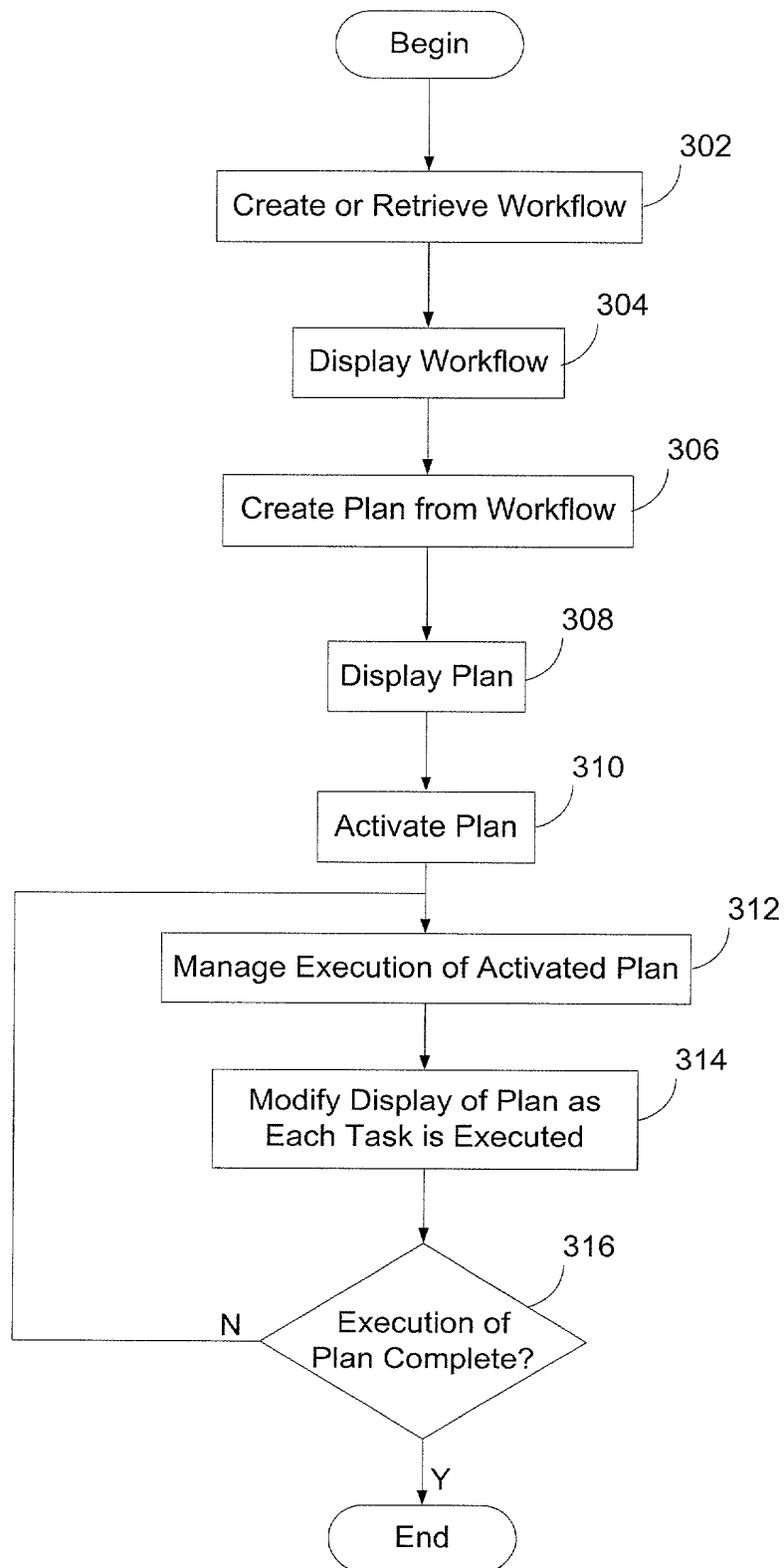


FIG. 4

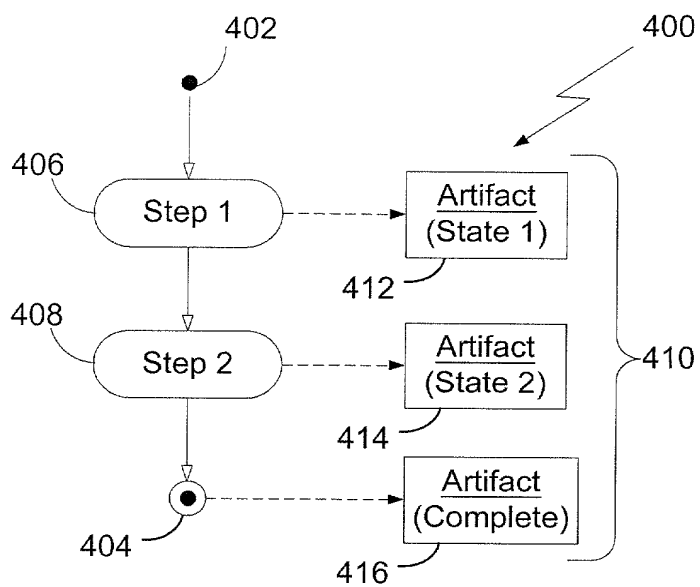


FIG. 5

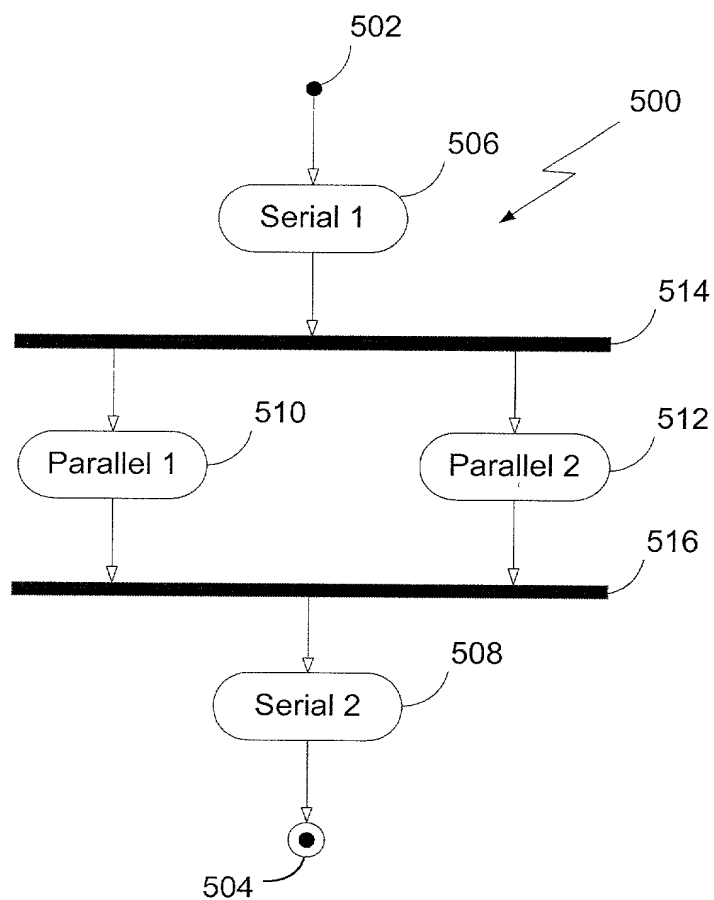


FIG. 6

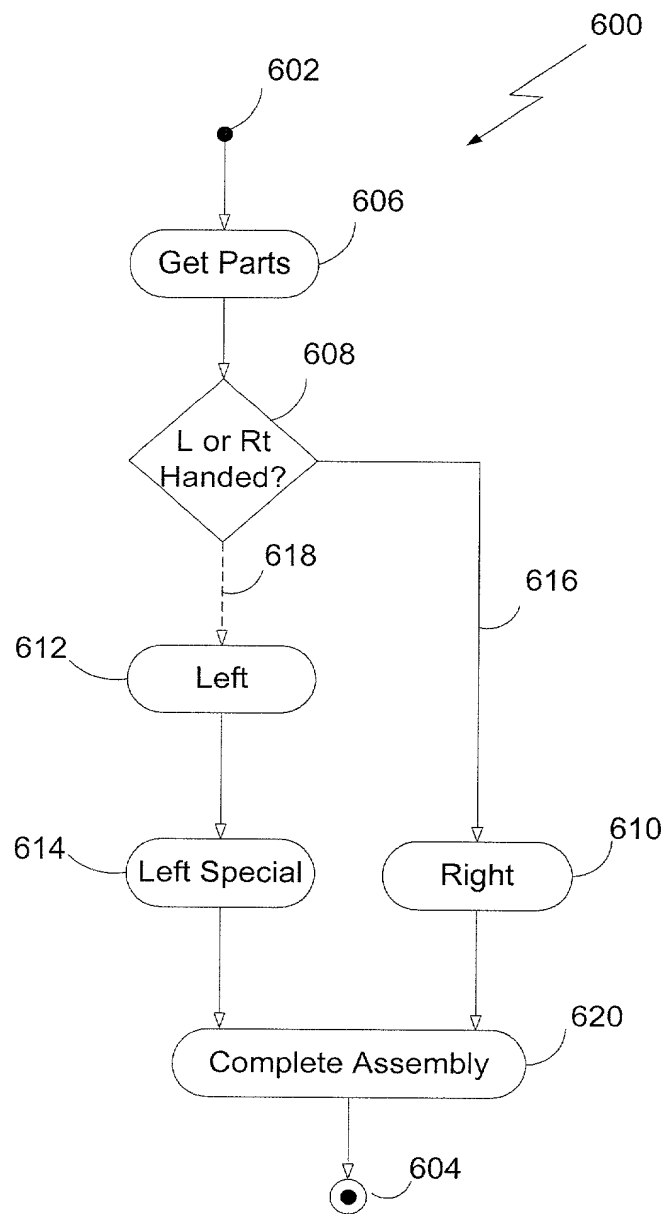


FIG. 7

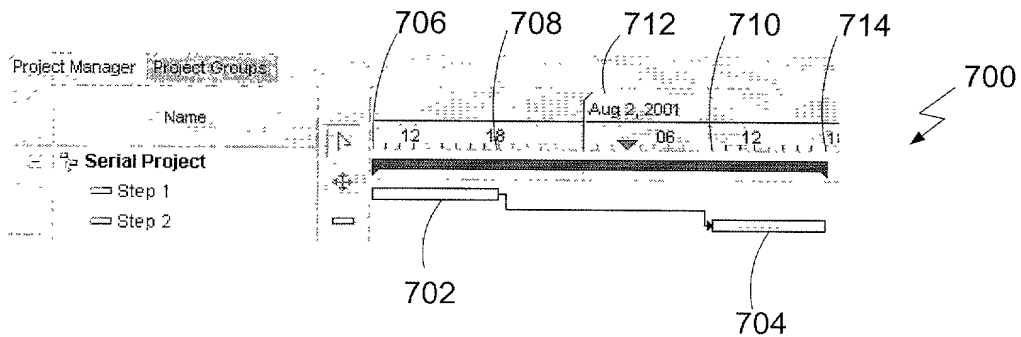


FIG. 8

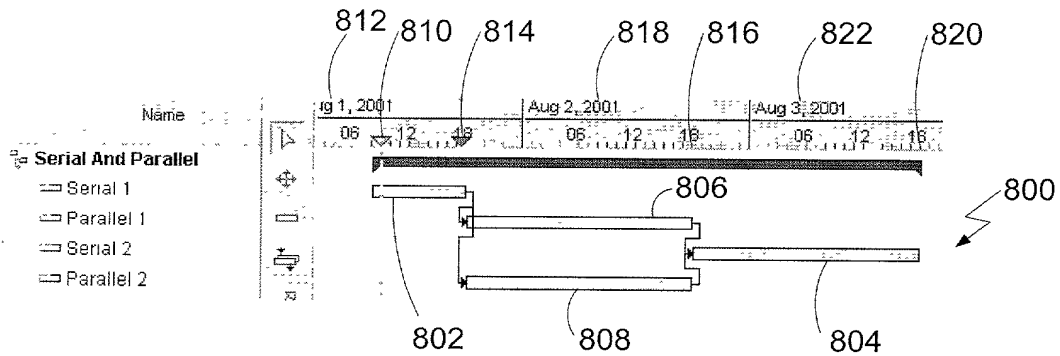


FIG. 9

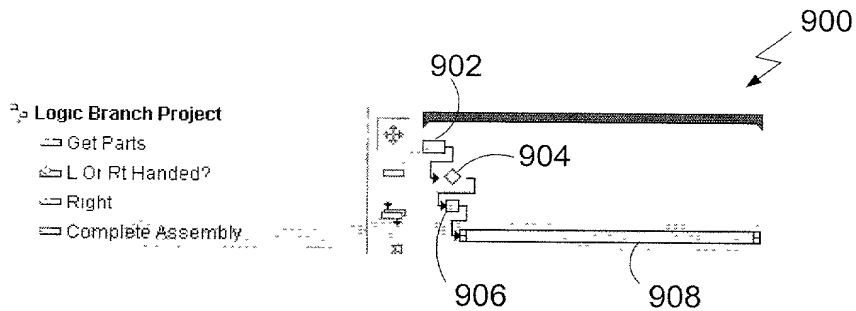


FIG. 10

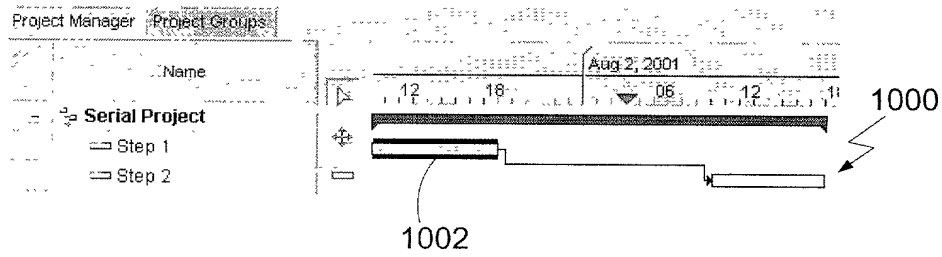


FIG. 11

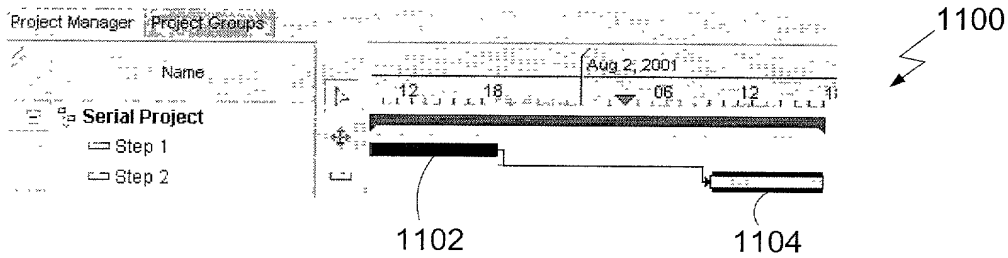


FIG. 12

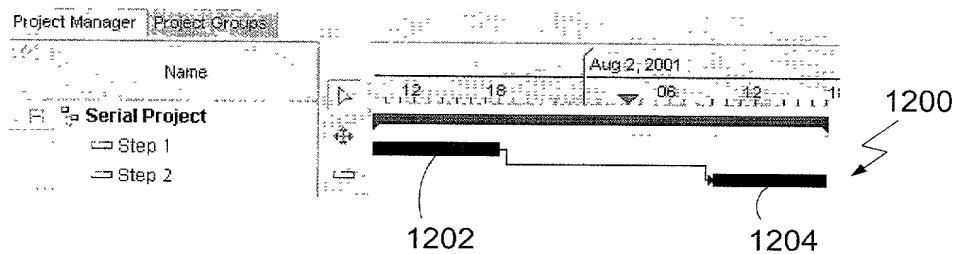


FIG. 13

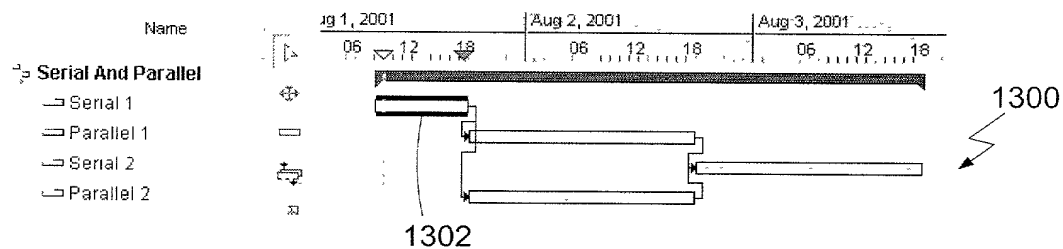


FIG. 14

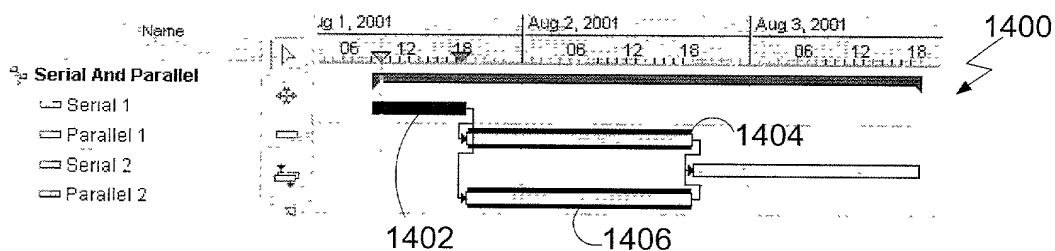


FIG. 15

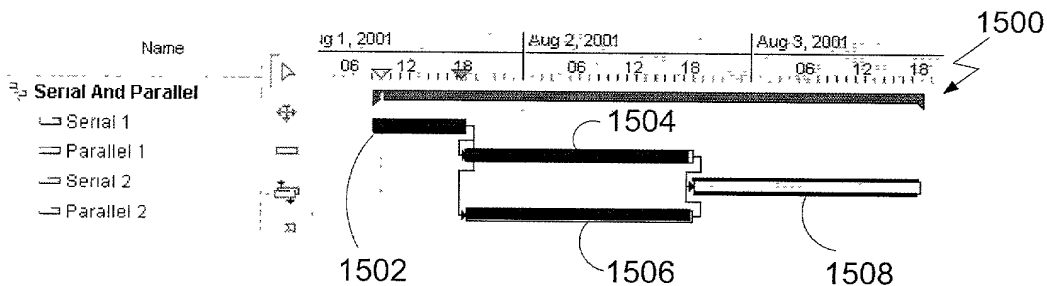


FIG. 16

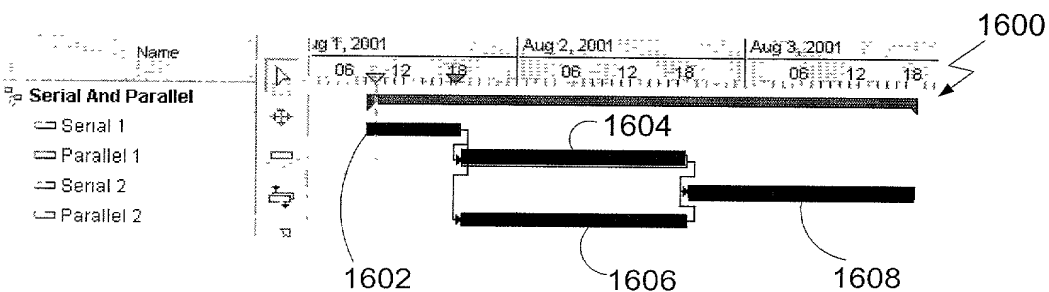


FIG. 17

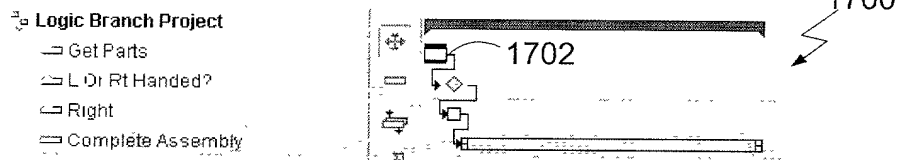


FIG. 18

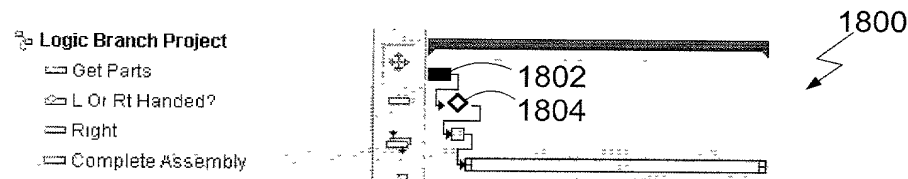


FIG. 19

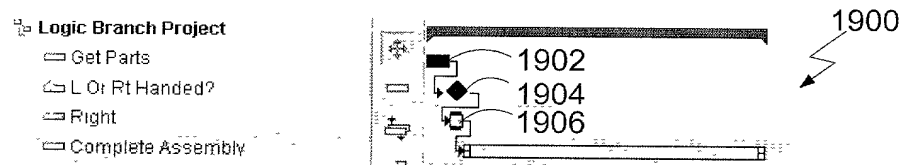


FIG. 20

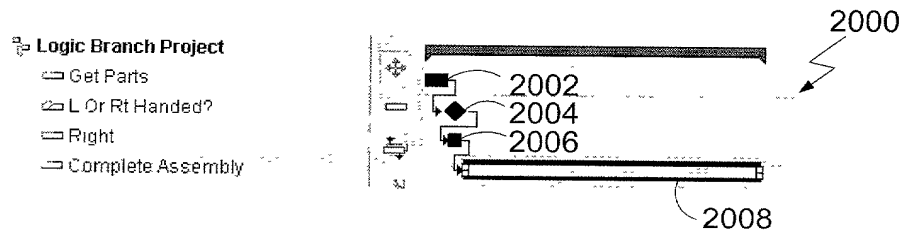


FIG. 21

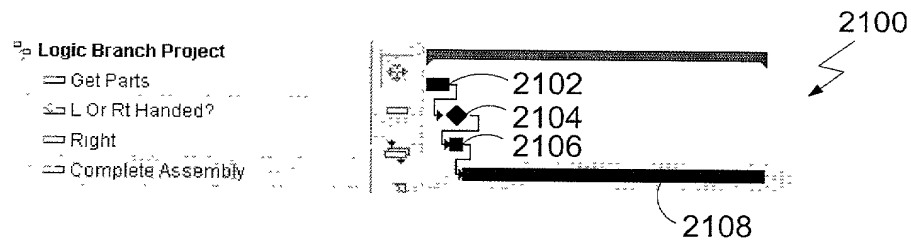


FIG. 22

- Logic Branch Project
 - Get Parts
 - L Or Rt Handed?
 - Right
 - Complete Assembly

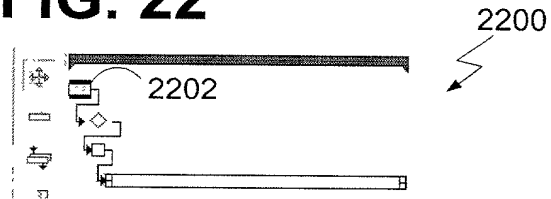


FIG. 23

- Logic Branch Project
 - Get Parts
 - L Or Rt Handed?
 - Right
 - Complete Assembly

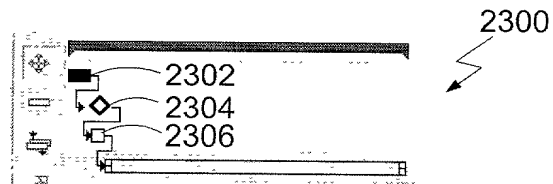


FIG. 24

- Logic Branch
 - Get Parts
 - L Or Rt Handed?
 - Left
 - Left Special
 - Complete Assembly

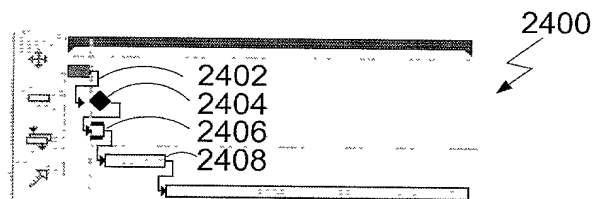


FIG. 25

Logic Branch

- Get Parts
- L Or Rt Handed?
- Left
- Left Special
- Complete Assembly

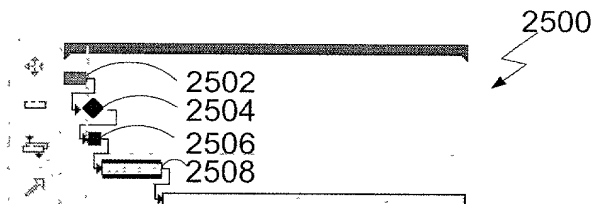


FIG. 26

Logic Branch

- Get Parts
- L Or Rt Handed?
- Left
- Left Special
- Complete Assembly

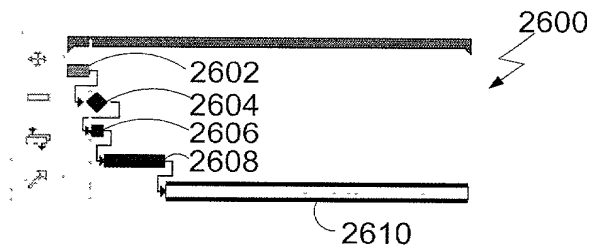


FIG. 27

Logic Branch

- Get Parts
- L Or Rt Handed?
- Left
- Left Special
- Complete Assembly

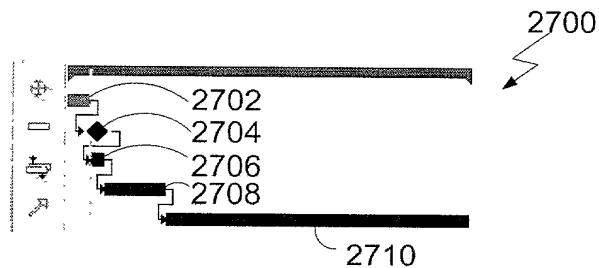


FIG. 28A

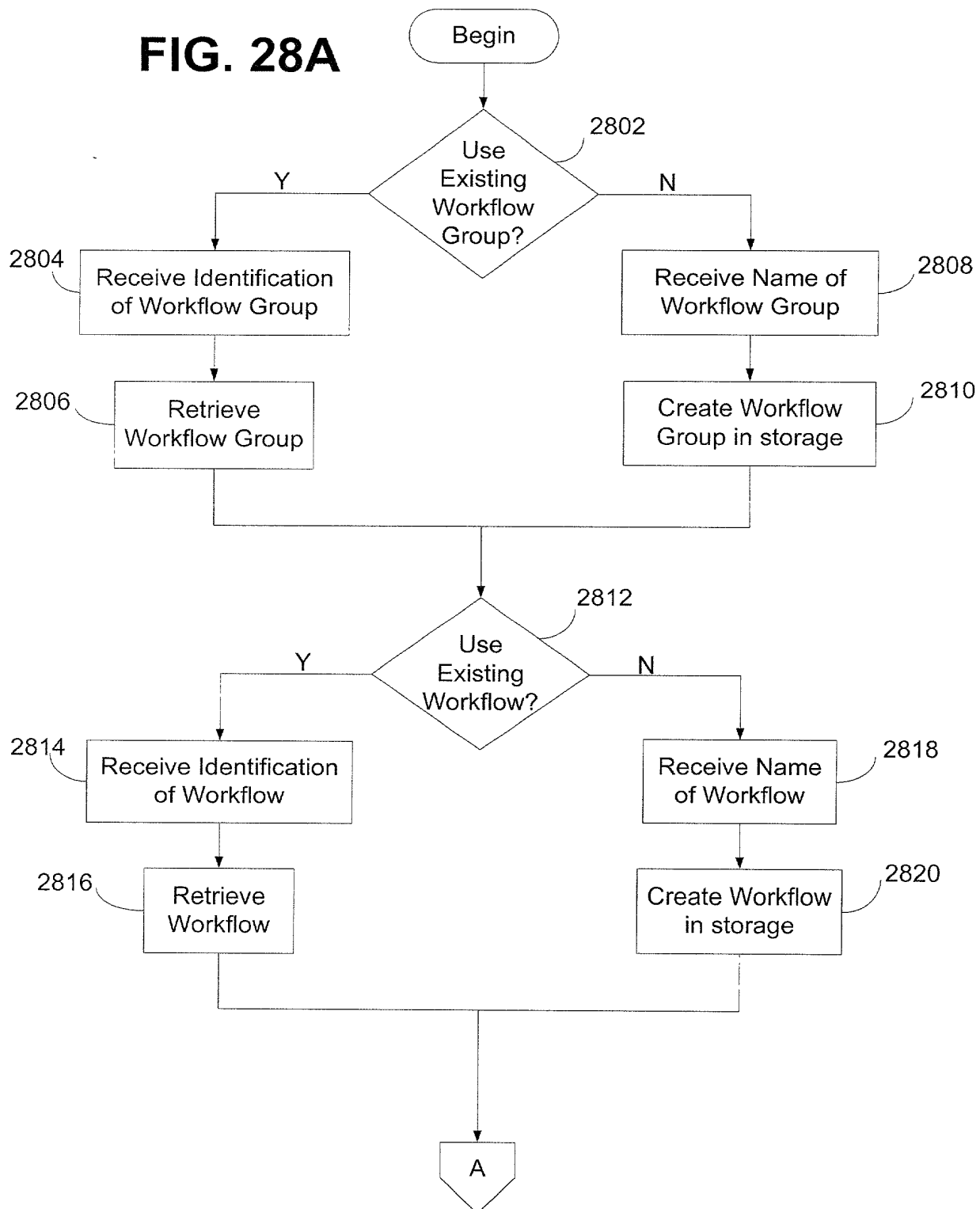


FIG. 28B

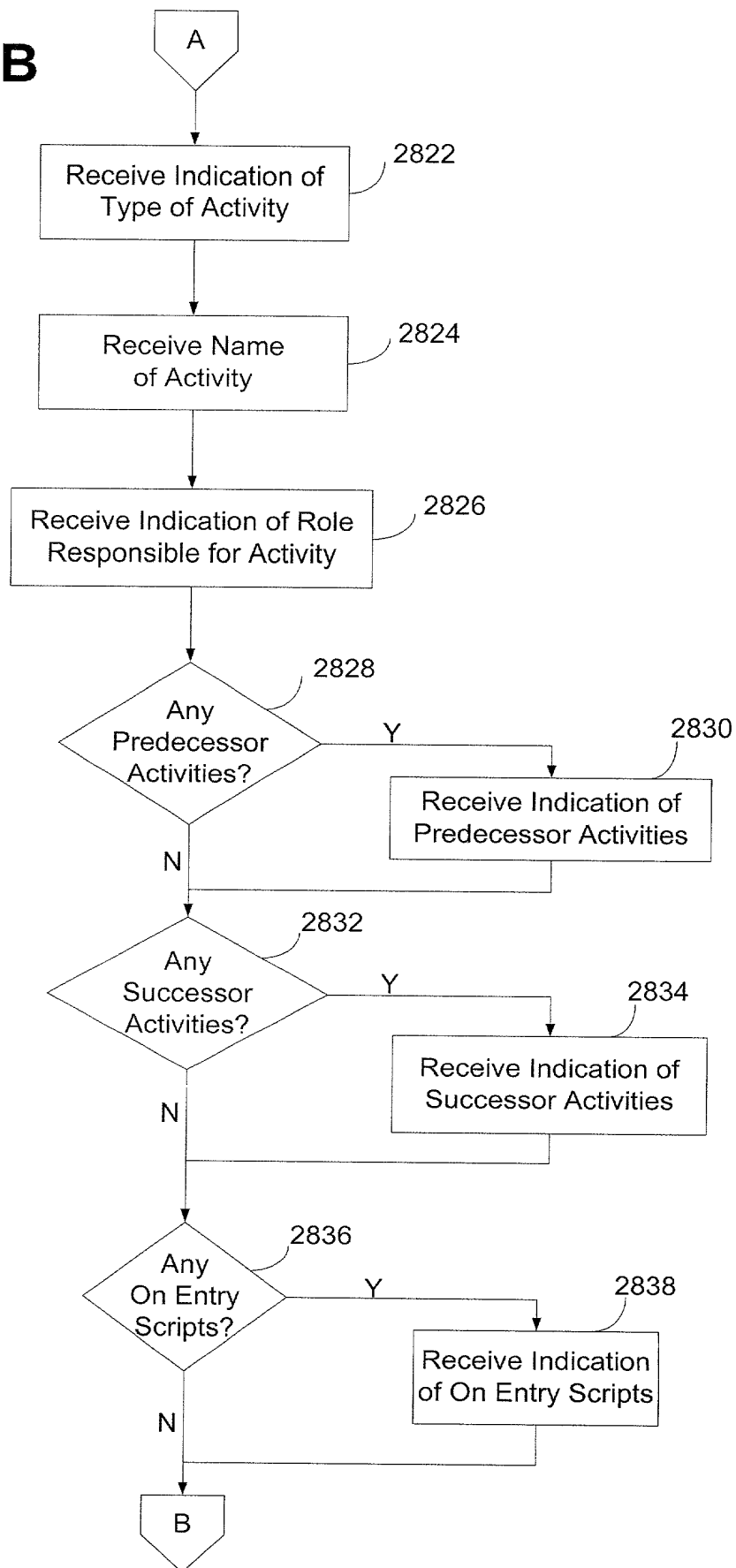


FIG. 28C

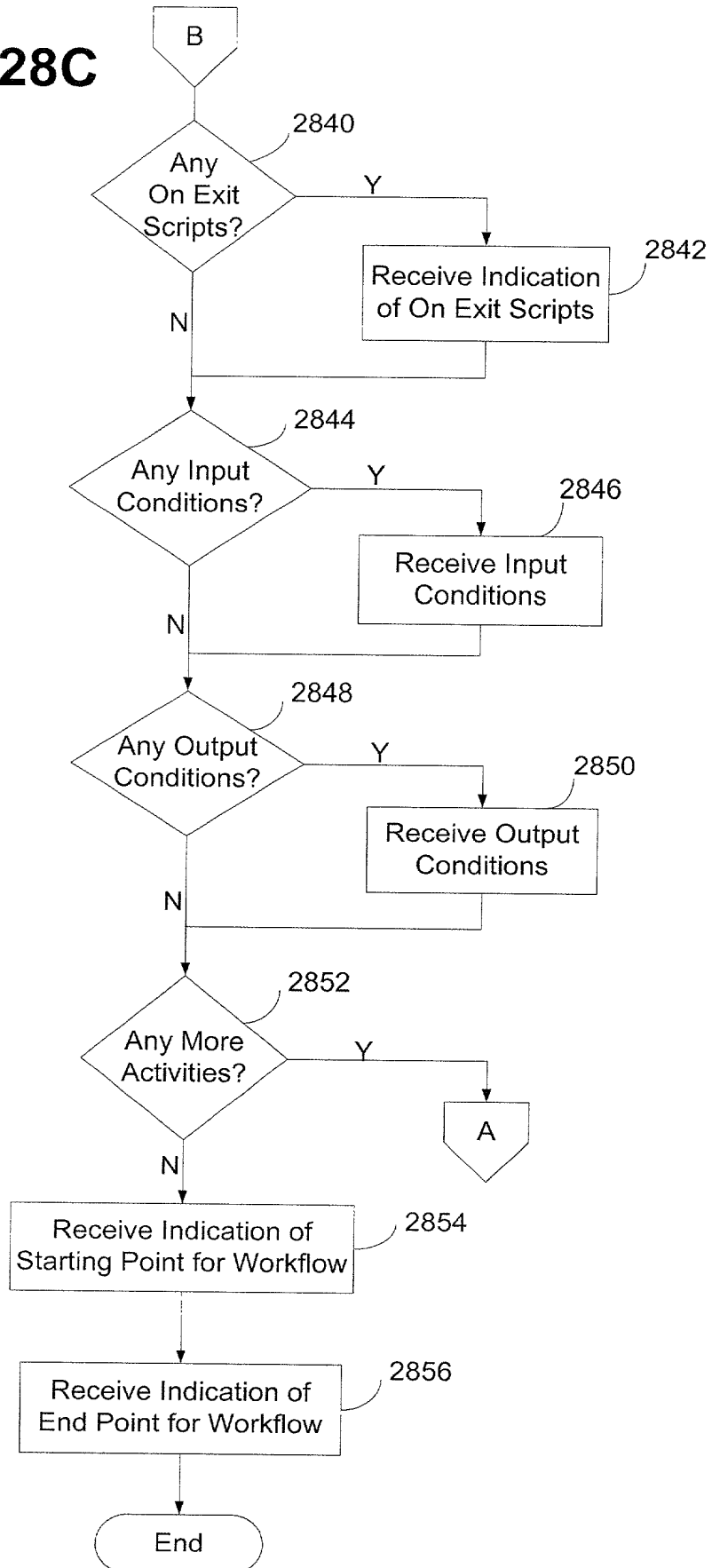


FIG. 29

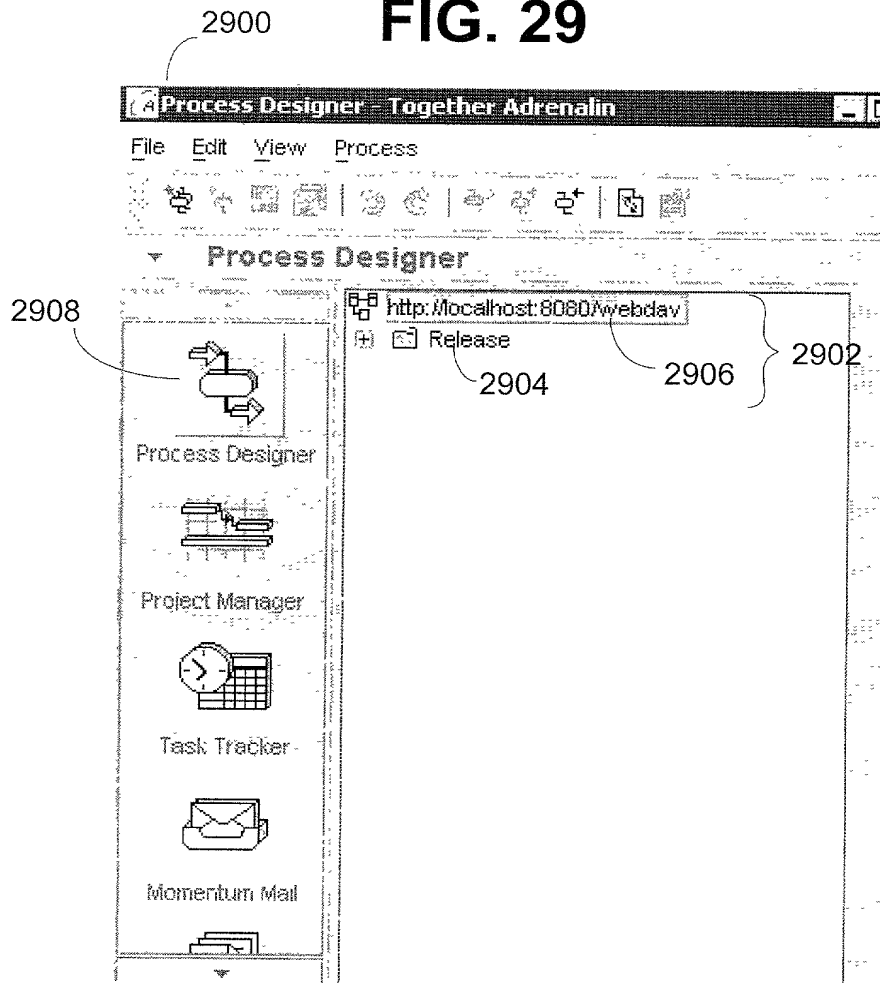


FIG. 30

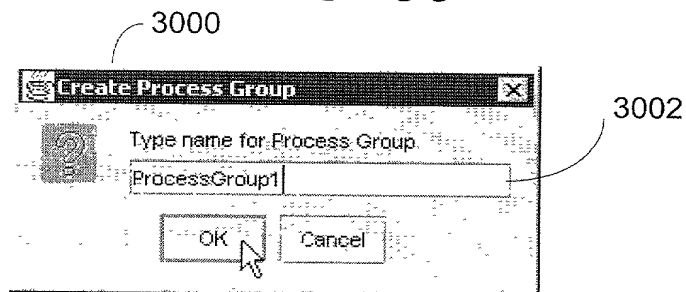


FIG. 31

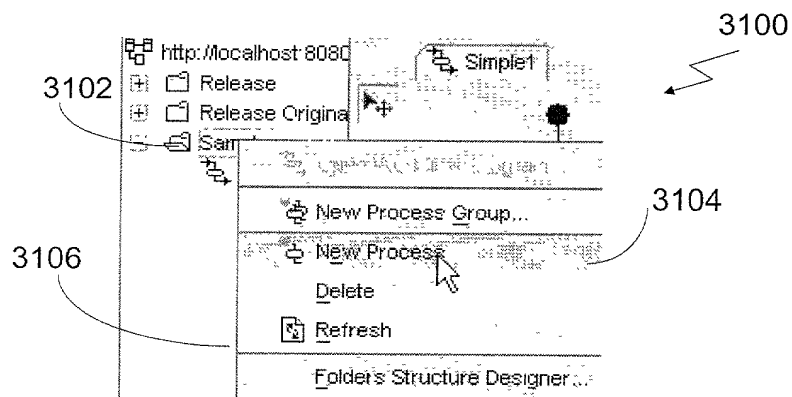


FIG. 32

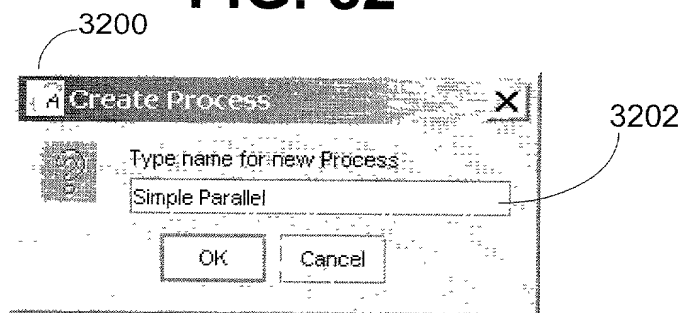


FIG. 33A

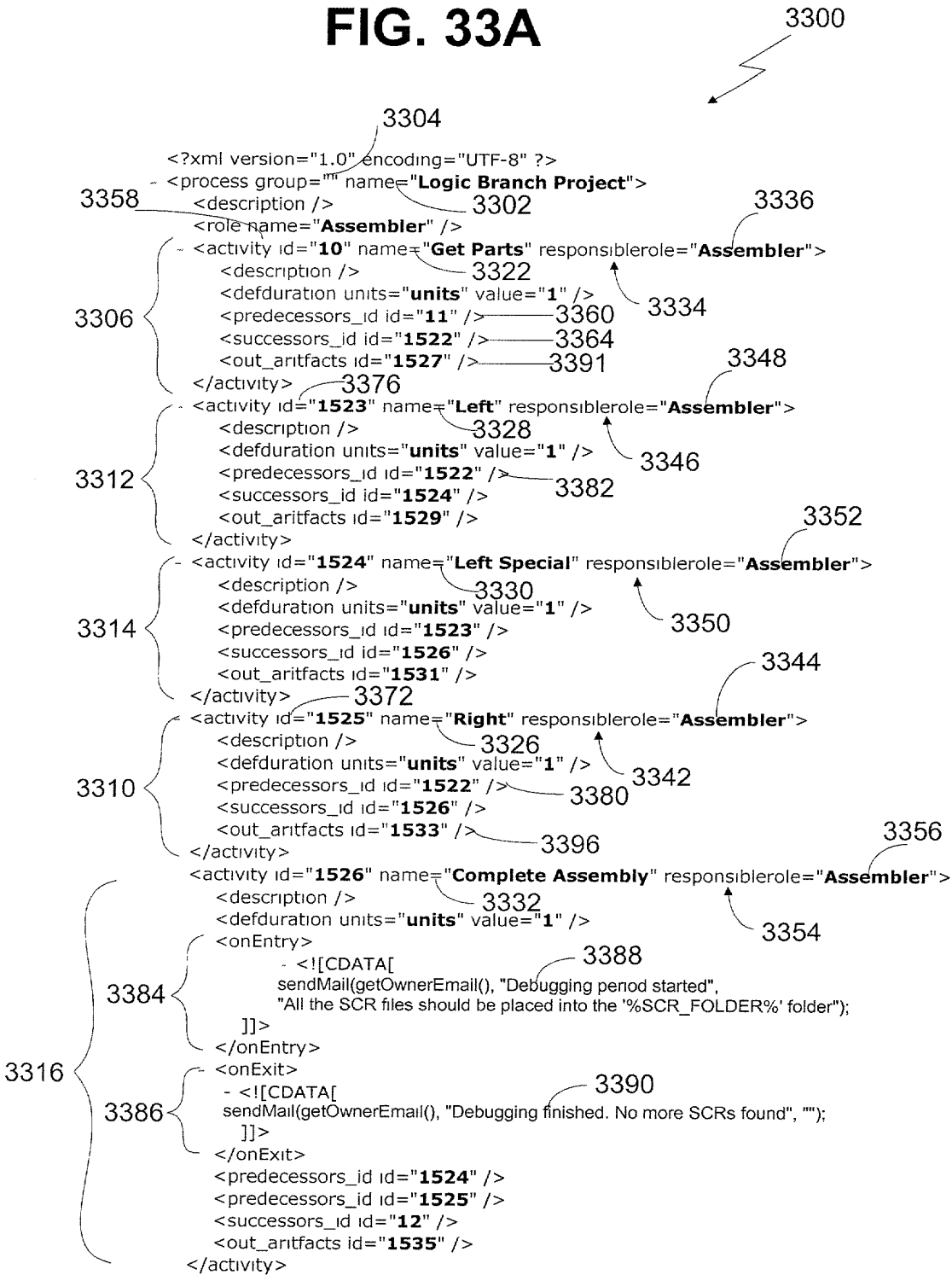


FIG. 33B

3392 3393

3394 {

```

- <artifact id="1527" identity="linkable1" name="Document is INITIAL">
  <description>The condition becomes true when the %Document% artifact gets the
  INITIAL state. To make this condition valid you should define the %Document%
  parameter and optionally define the document template and the application to
  open the document.</description>
  <type>linkable</type>
  <link link="%Document%" />
  <state>INITIAL</state> 3395
  <event id="1528" />
</artifact>
- <artifact id="1529" identity="linkable1" name="Document is LEFT">
  <description>The condition becomes true when the %Document% artifact gets the
  LEFT state. To make this condition valid you should define the %Document%
  parameter and optionally define the document template and the application to
  open the document.</description>
  <type>linkable</type>
  <link link="%Document%" />
  <state>LEFT</state>
  <event id="1530" />
</artifact>
- <artifact id="1531" identity="linkable1" name="Document is LEFT SPECIAL">
  <description>The condition becomes true when the %Document% artifact gets the
  LEFT SPECIAL state. To make this condition valid you should define the
  %Document% parameter and optionally define the document template and the
  application to open the document.</description>
  <type>linkable</type>
  <link link="%Document%" />
  <state>LEFT SPECIAL</state>
  <event id="1532" />
</artifact>
- <artifact id="1533" identity="linkable1" name="Document is RIGHT">
  <description>The condition becomes true when the %Document% artifact gets the
  RIGHT state. To make this condition valid you should define the %Document%
  parameter and optionally define the document template and the application to
  open the document.</description>
  <type>linkable</type>
  <link link="%Document%" />
  <state>RIGHT</state> 3398
  <event id="1534" /> 3399
</artifact>
- <artifact id="1535" identity="linkable1" name="Document is APPROVED">
  <description>The condition becomes true when the %Document% artifact gets the
  APPROVED state. To make this condition valid you should define the
  %Document% parameter and optionally define the document template and the
  application to open the document.</description>
  <type>linkable</type>
  <link link="%Document%" />
  <state>APPROVED</state>
  <event id="1536" />
</artifact>

```

3397 3398

FIG. 33C

```

- <logic id="1522" name="L or Rt Handed?" responsible="Assembler">
  <description />
  <script>
    - <![CDATA[
      approved()
    ]]>
  </script>
  <predecessors_id id="10" />
  <other_path_id id="1525" />
  <other_path_id id="1523" />
  <defpath_id id="1525" />
</logic>
- <syncbar id="11">
  <description />
  <startBar>T</startBar>
  <successors_id id="10" />
</syncbar>
- <syncbar id="12">
  <description />
  <endBar>T</endBar>
  <predecessors_id id="1526" />
</syncbar>
- <event id="1528" name="??Event_name">
  <description>??Event_desc</description>
  <type>REQUEST-GUARD</type>
  <request>PROPPATCH</request>
</event>
- <event id="1530" name="??Event_name">
  <description>??Event_desc</description>
  <type>REQUEST-GUARD</type>
  <request>PROPPATCH</request>
</event>
- <event id="1532" name="??Event_name">
  <description>??Event_desc</description>
  <type>REQUEST-GUARD</type>
  <request>PROPPATCH</request>
</event>
- <event id="1534" name="??Event_name">
  <description>??Event_desc</description>
  <type>REQUEST-GUARD</type>
  <request>PROPPATCH</request>
</event>
- <event id="1536" name="??Event_name">
  <description>??Event_desc</description>
  <type>REQUEST-GUARD</type>
  <request>PROPPATCH</request>
</event>
</process>

```

Diagram labels and connections:

- 3308 points to the first <logic> block.
- 3366 points to the name attribute of the first <logic> block.
- 3324 points to the name attribute of the first <logic> block.
- 3340 points to the responsible attribute of the first <logic> block.
- 3338 points to the <script> block.
- 3368 points to the <predecessors_id> attribute of the first <logic> block.
- 3370 points to the <other_path_id> attribute of the first <logic> block.
- 3374 points to the <other_path_id> attribute of the first <logic> block.
- 3378 points to the <defpath_id> attribute of the first <logic> block.
- 3362 points to the <syncbar id="11"> block.
- 3320 points to the <syncbar id="12"> block.

FIG. 34

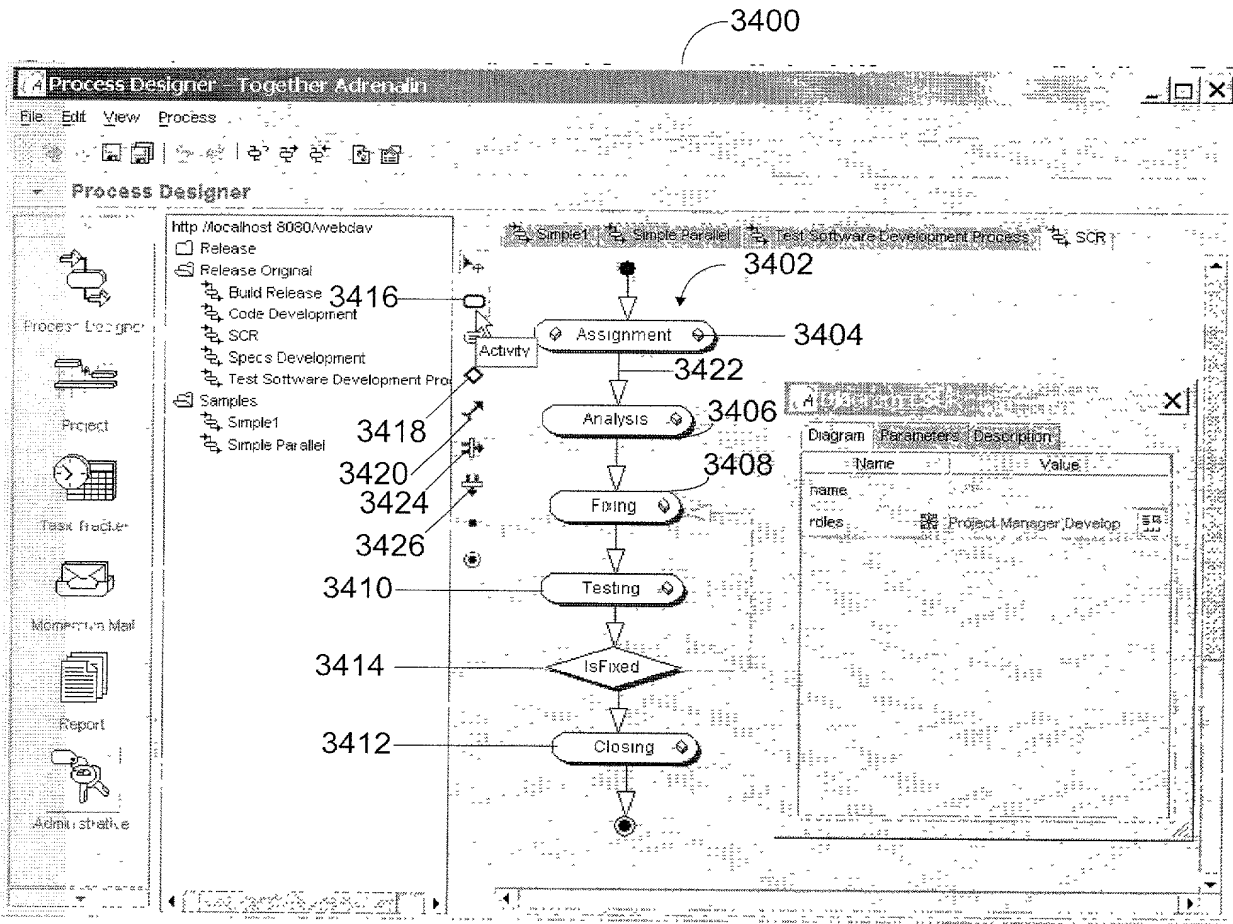


FIG. 35

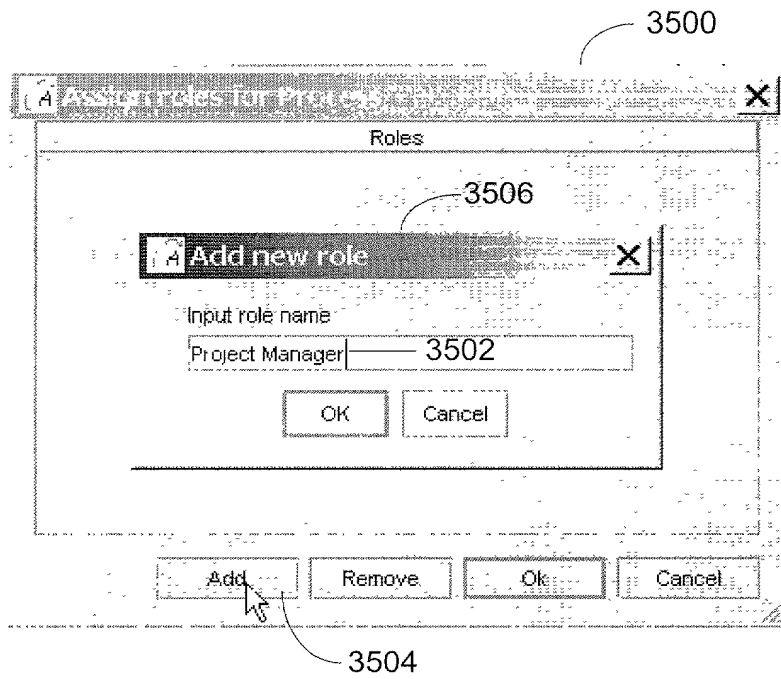


FIG. 36

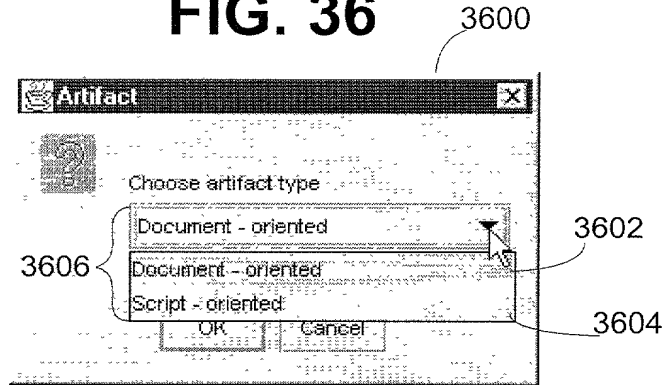


FIG. 37

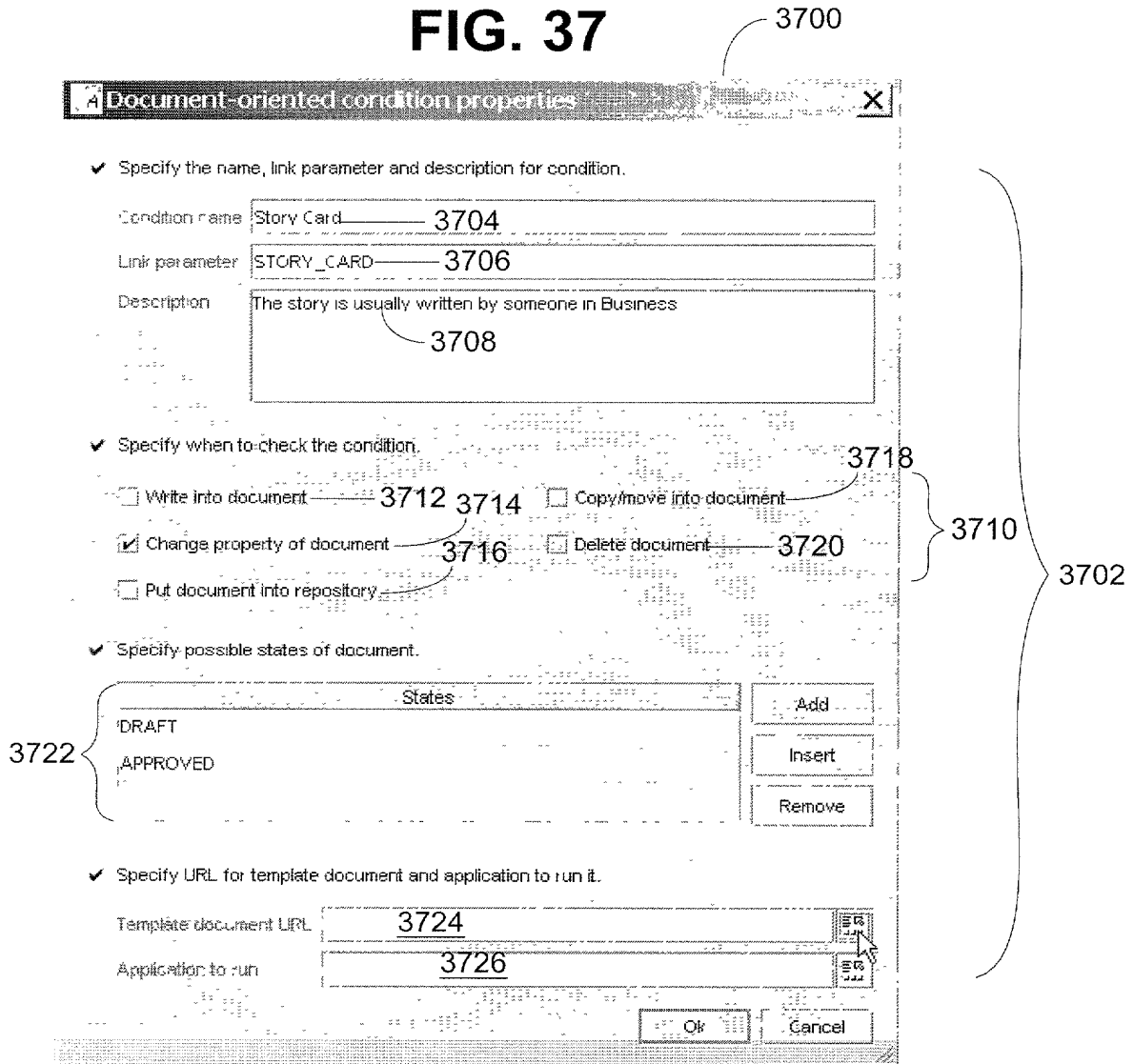


FIG. 38

3800

Script-oriented condition properties

✓ Specify the name and description for condition

Condition name 3804

Description 3806
Tests if the percent completion is 100%.

3808 {

✓ Specify when to check the condition.

☐ * Absolute time 3810

☐ Period 3812

☐ * Url change 3814

☒ * Task change 3816

☐ Any http request 3818

* - values for these items will be assigned at planning phase.

3802 {

✓ Define script parameters and content. 3822

Name	Value	Add

3824

Script content 3826
getPercent()==100, 3828

Ok Cancel

FIG. 39

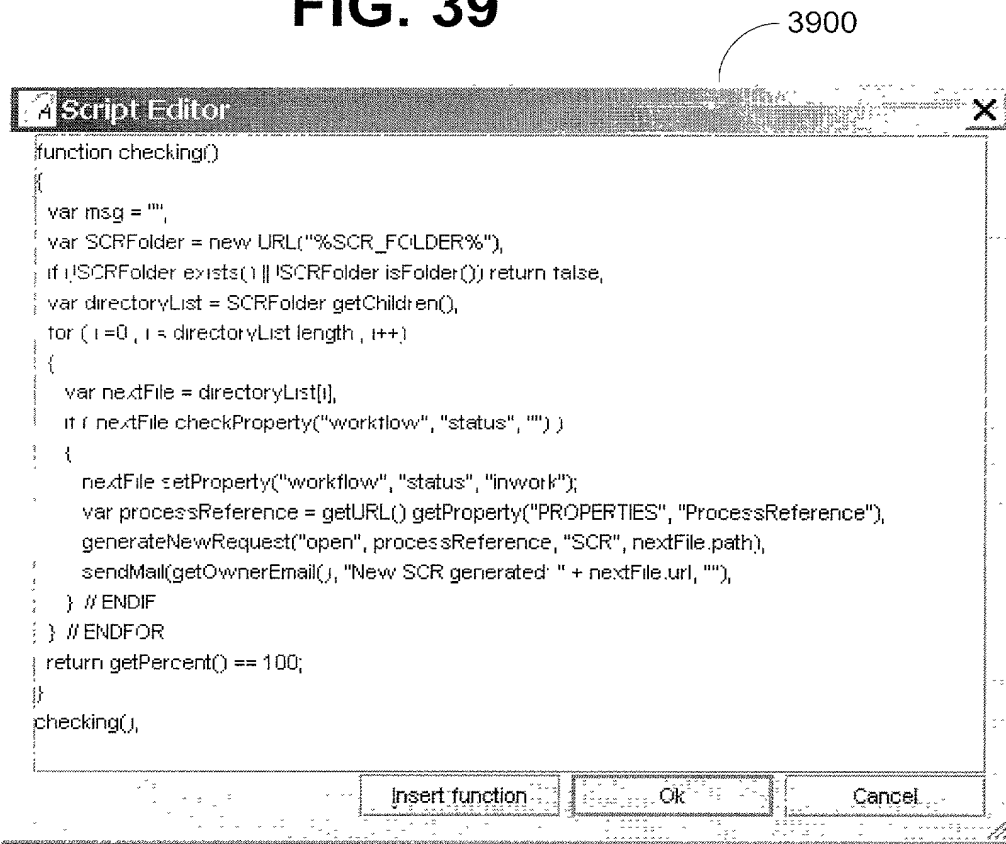


FIG. 40

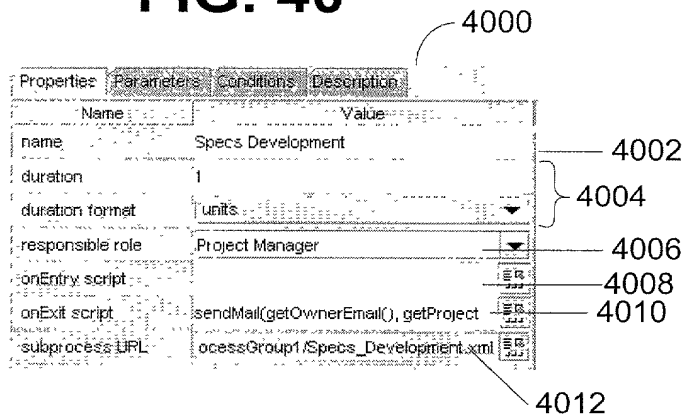


FIG. 41A

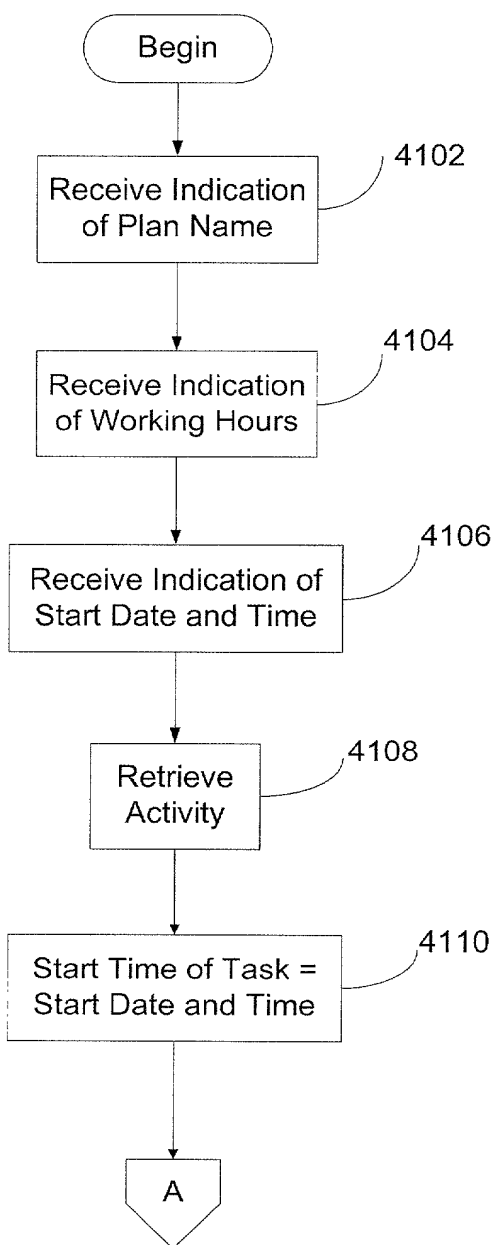


FIG. 41B

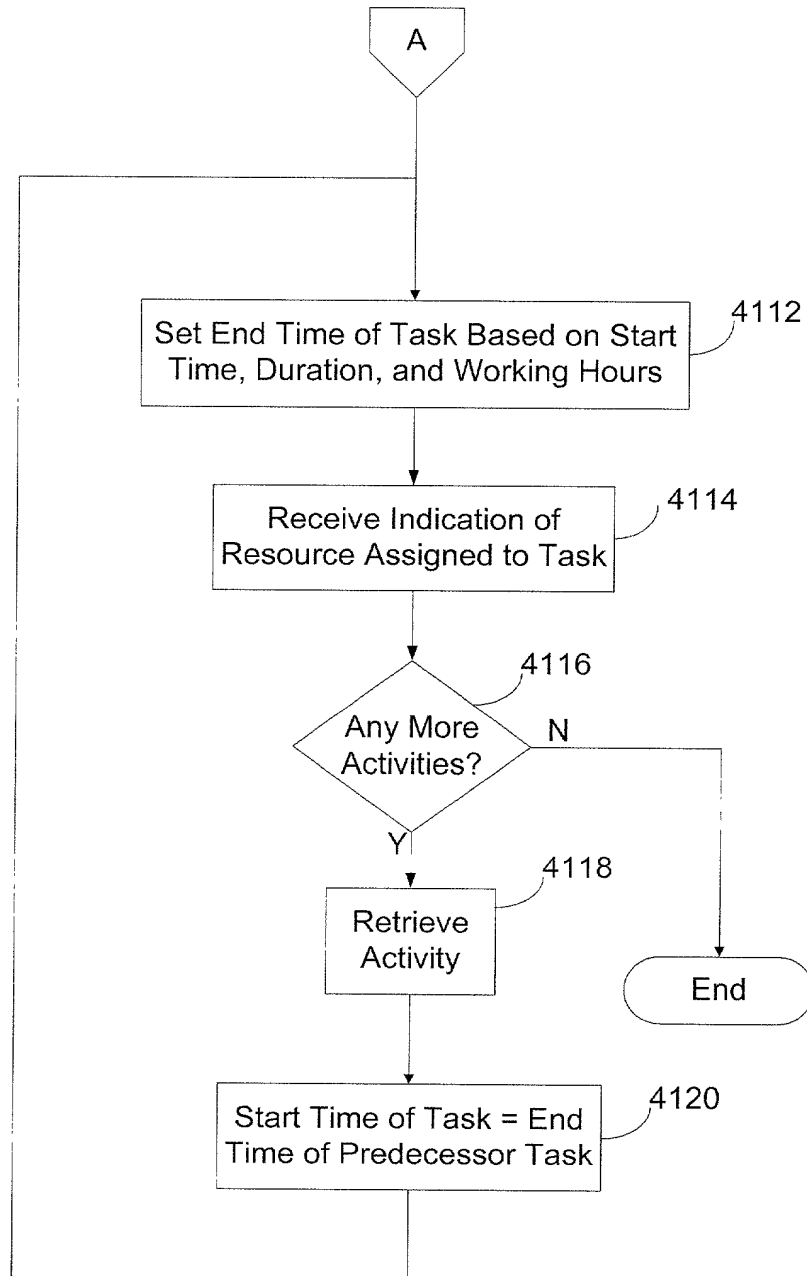


FIG. 42

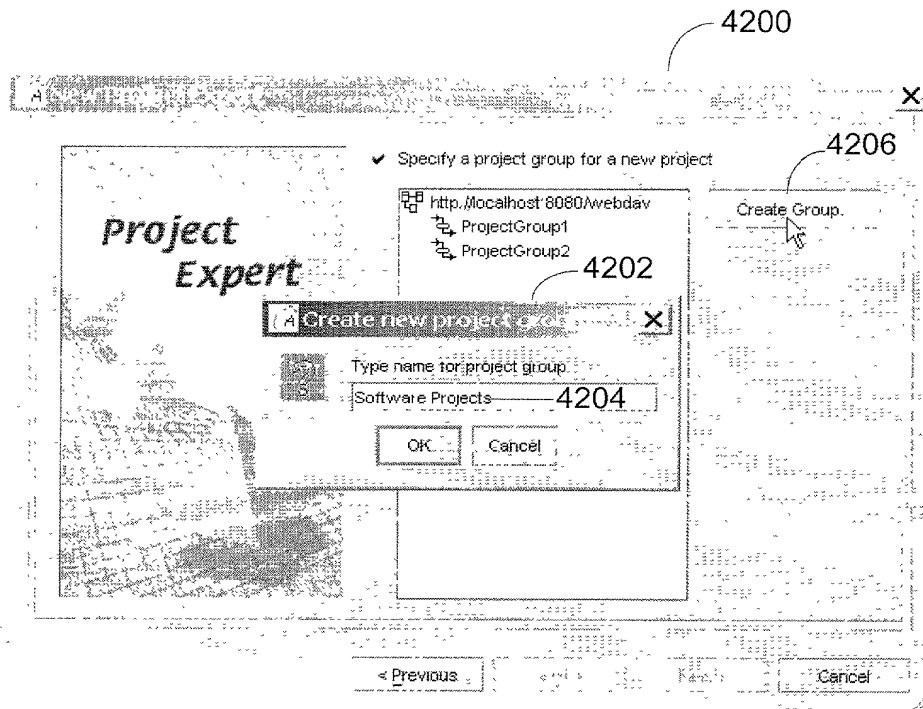


FIG. 43

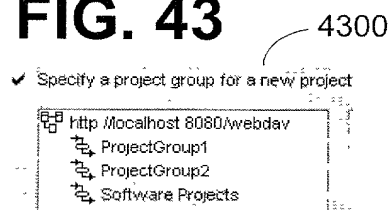


FIG. 44

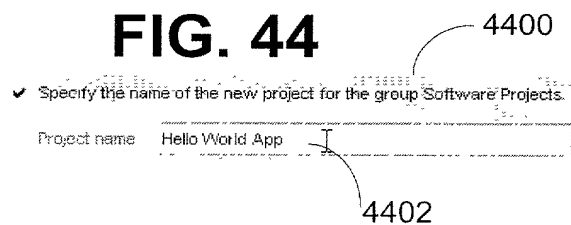


FIG. 45

4500

✓ Specify timetable for project

Select Timetable template

4504

Standard Timetable

Intensive Timetable

4520

24 Hours

4518

Working Days

4510

Working Hours

4508

4512

4514

4516

4506

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

FIG. 46

4600

✓ Specify start and finish dates of the project

Start date (mm/dd/yy): 7/2/2001 9AM

4602

Finish date (mm/dd/yy): 8/10/2001 5PM

4604

Edit Work Calendar..

FIG. 48

4800

```
<?xml version="1.0" encoding="UTF-8" ?>
<A:plan name="Serial_And_Parallel" userid="JK" xmlns:A="workflow">
  <A:description>
    - <![CDATA[
      No Description
    ]]>
  </A:description>
  <A:task activityID="10" caption="Serial 1"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_2.xml" name="Task_2"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 9</A:start>
    <A:finish>2001 8 1 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:successor name="Task_3" />
    <A:successor name="Task_4" />
  </A:task>
  <A:task activityID="1523" caption="Parallel 1"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_3.xml" name="Task_3"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 18</A:start>
    <A:finish>2001 8 2 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:predecessor name="Task_2" />
    <A:successor name="Task_5" />
  </A:task>
  <A:task activityID="1524" caption="Parallel 2"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_4.xml" name="Task_4"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 18</A:start>
    <A:finish>2001 8 2 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:predecessor name="Task_2" />
    <A:successor name="Task_5" />
  </A:task>
  <A:task activityID="1526" caption="Serial 2"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_5.xml" name="Task_5"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 2 18</A:start>
    <A:finish>2001 8 3 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:predecessor name="Task_3" />
    <A:predecessor name="Task_4" />
  </A:task>
  <A:task activityID="NONE" caption="Serial And Parallel"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_1.xml" name="Task_1"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 8</A:start>
    <A:finish>2001 8 3 18</A:finish>
    <A:user>JK</A:user>
    <A:subtask name="Task_2" />
```

4802

4808

4810

4820

4804

4806

4812

4816

4814

4818

4822

4824

FIG. 49

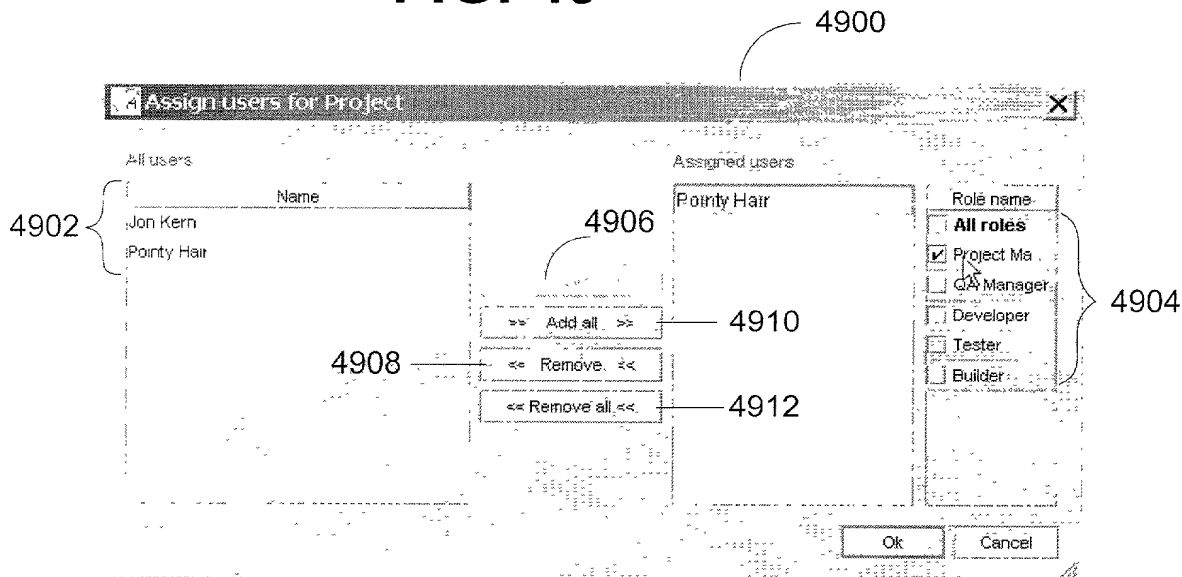


FIG. 50

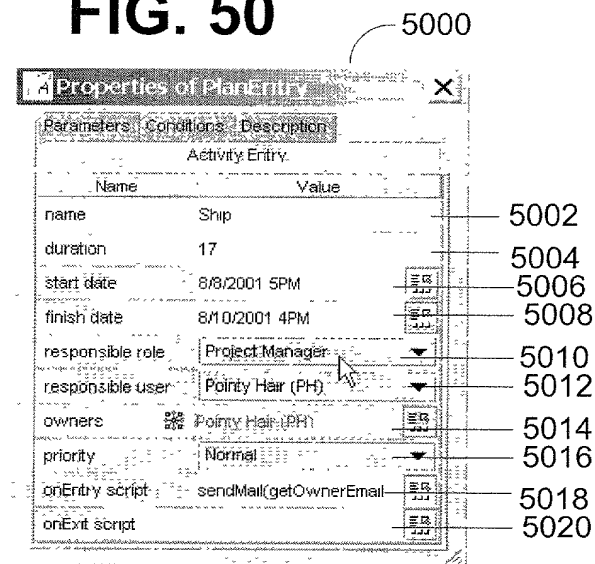


FIG. 51

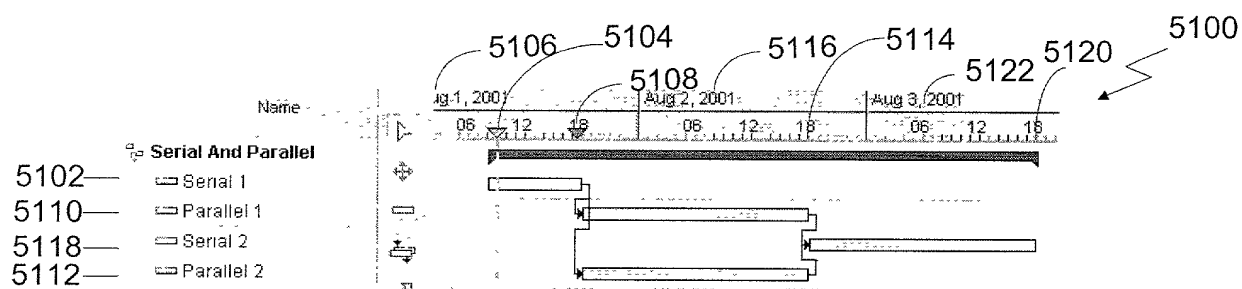


FIG. 52

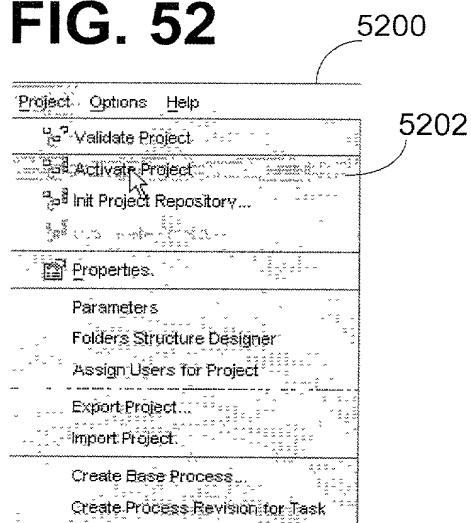


FIG. 53

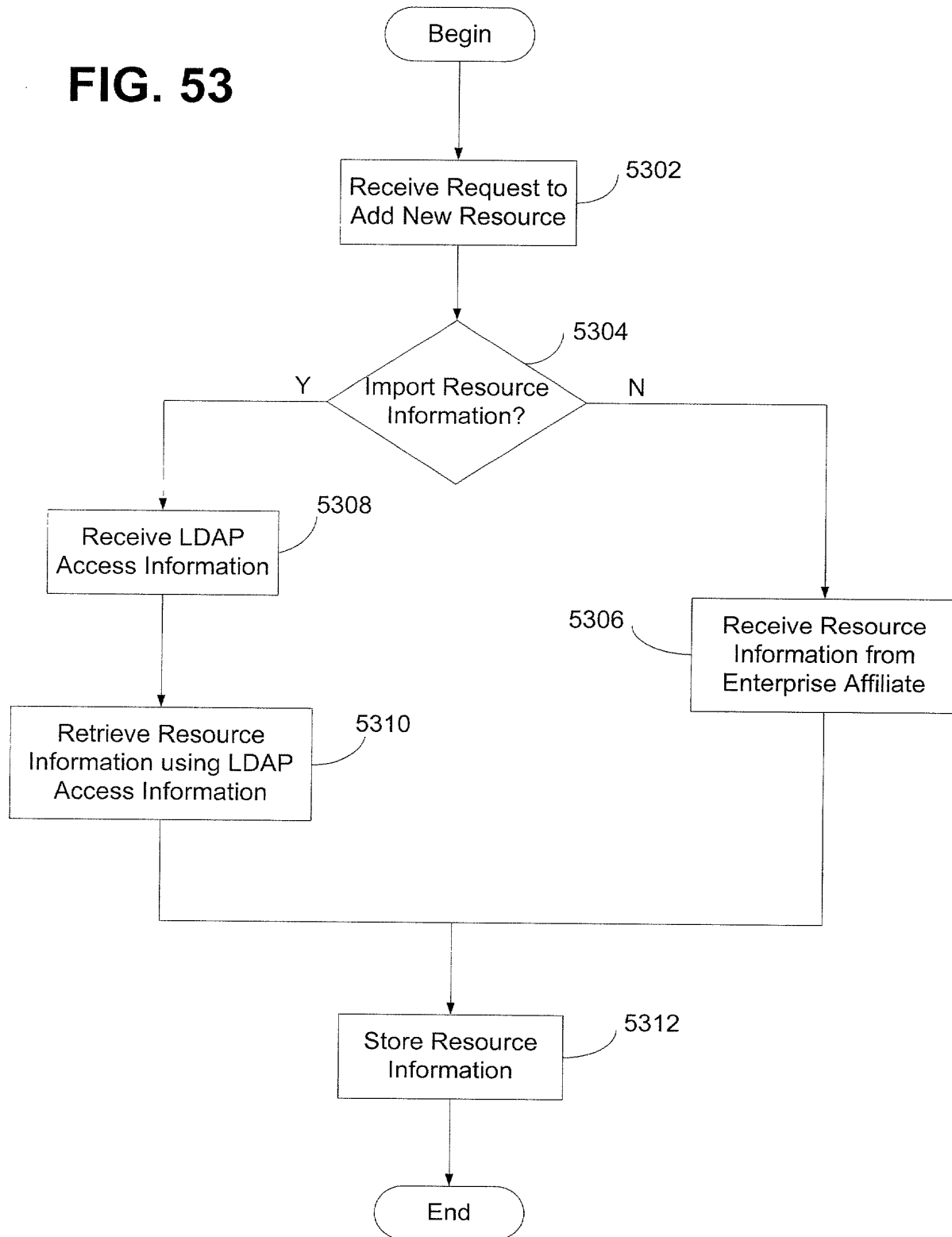
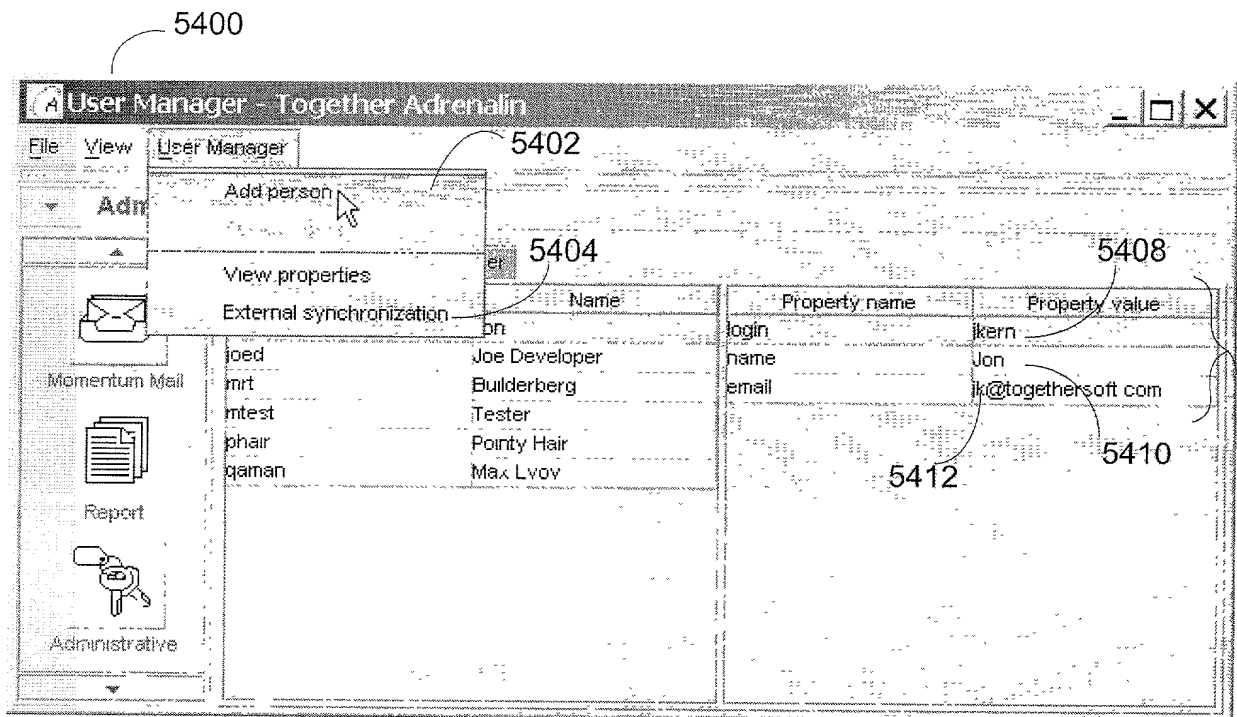


FIG. 54



5406

FIG. 55

5500

External synchronization

New 389

5502 {

LDAP Server 5504 frodo

LDAP Port 5506 389

People DN 5508 OU=LOCAL USERS, DC=amazosoft, DC=com

☐ Use password

Security DN 5510

Password 5512

Login alias 5514 milogin

Add Remove Save Close Synchronize

FIG. 56

5600

<?xml version="1.0" encoding="UTF-8" ?>
- <users>
- <user>
- <id>**PH**</id>
- <name>**Pointy Hair**</name>
- <email>**ph@company.com**</email>
- <password>**ZGV364==**</password>
- url= "Software_Projects/Hello-World_App/Users_1.xml"
- </user>
- <user>
- <id>**MQ**</id>
- <name>**Mister Quality**</name>
- <email>**mq@company.com**</email>
- <password>**ZGV636==**</password>
- url= "Software_Projects/Hello-World_App/Users_1.xml"
- </user>
- <user>
- <id>**MB**</id>
- <name>**Mister Build**</name>
- <email>**mb@company.com**</email>
- <password>**ZGV835==**</password>
- url= "Software_Projects/Hello-World_App/Users_1.xml"
- </user>
- <user>
- <id>**MT**</id>
- <name>**Mister Tee**</name>
- <email>**mt@company.com**</email>
- <password>**ZGV470==**</password>
- url= "Software_Projects/Hello-World_App/Users_1.xml"
- </user>
</users>

FIG. 57A

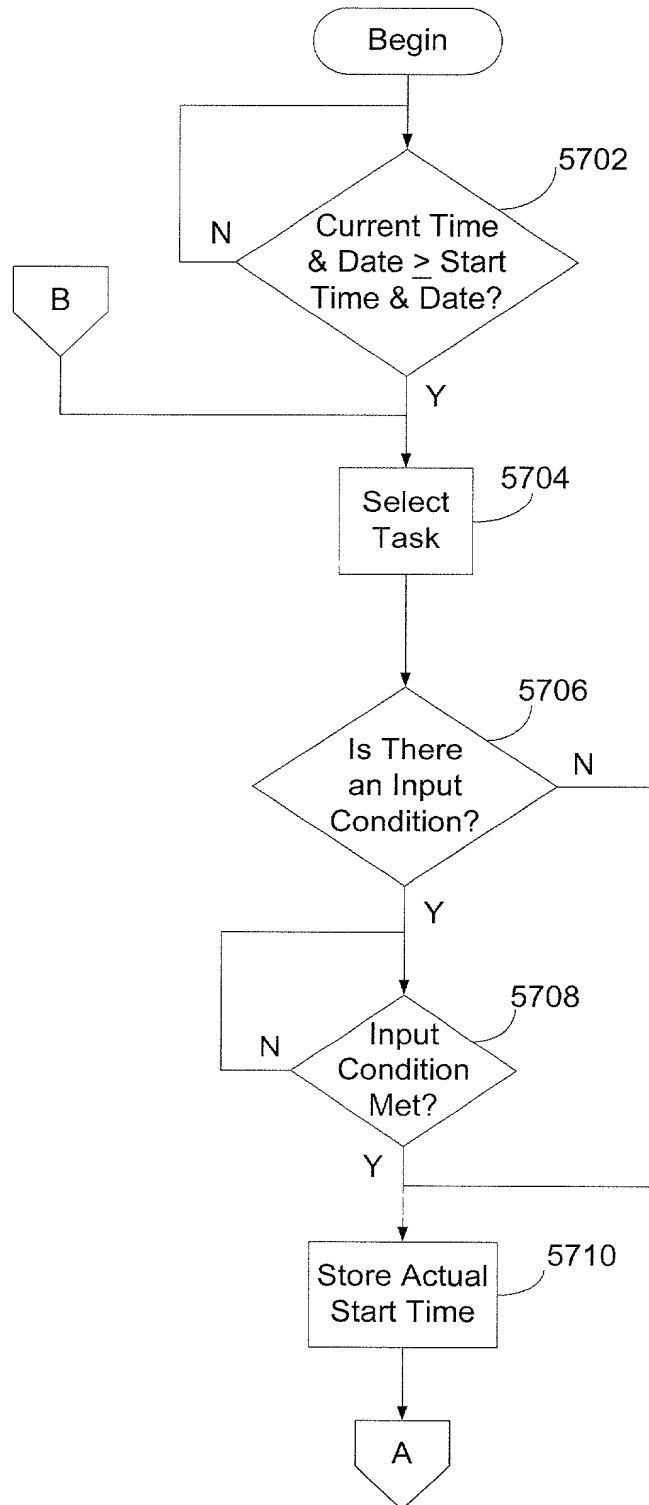


FIG. 57B

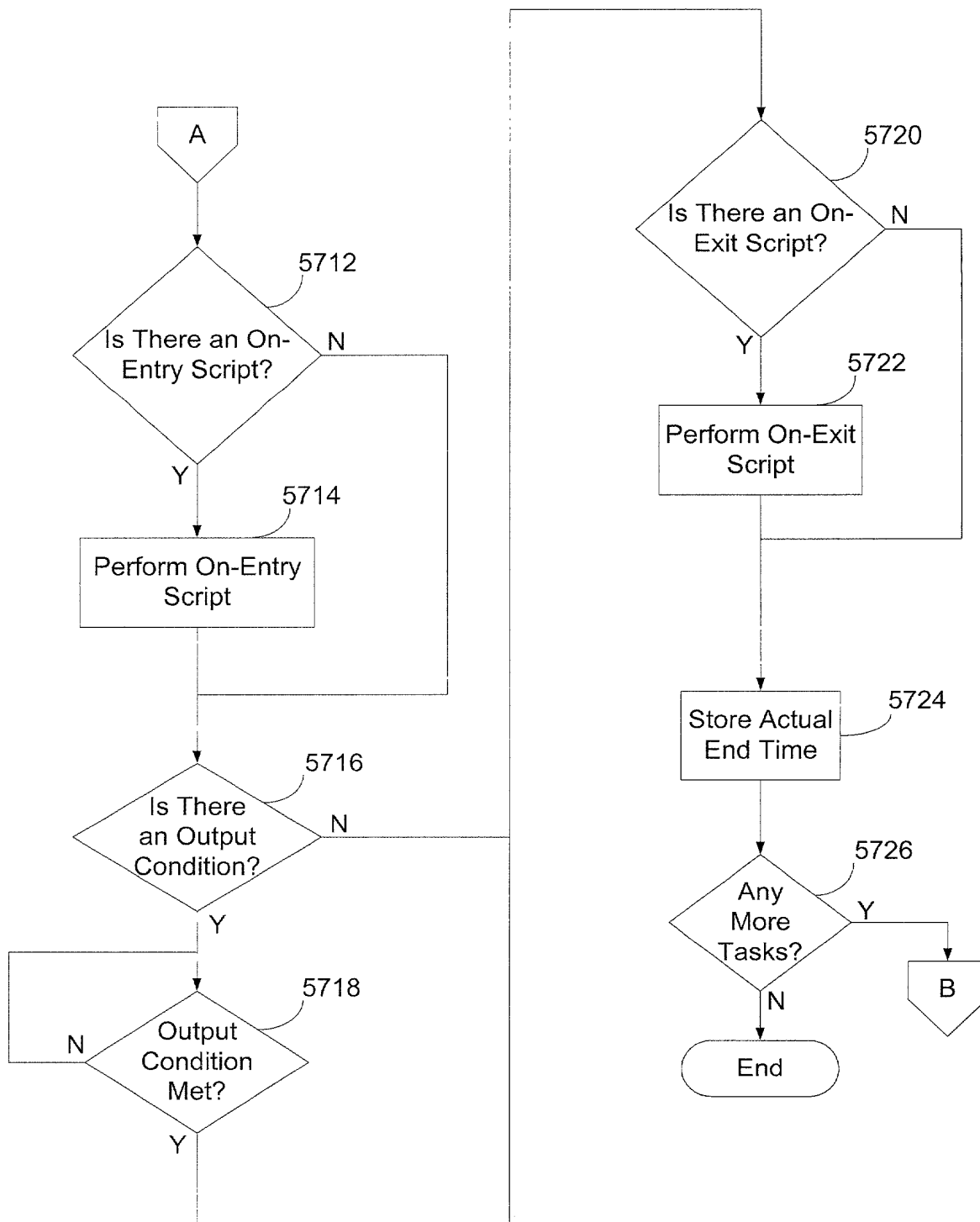


FIG. 58

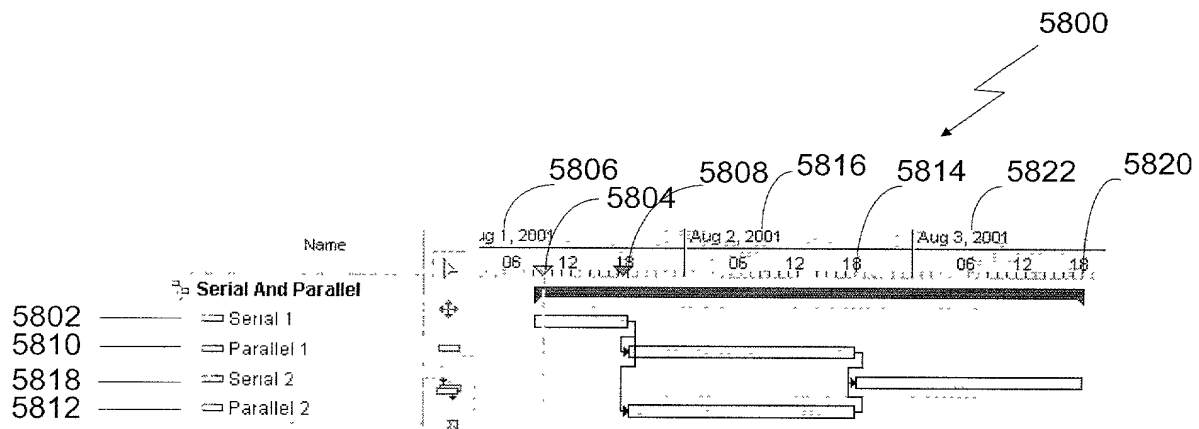


FIG. 59

5900



```
<?xml version="1.0" encoding="UTF-8" ?>
<A:plan name="Serial_And_Parallel" userid="JK" xmlns:A="workflow">
  <A:description>
    <![CDATA[
      No Description
    ]]>
  </A:description>
  <A:task activityID="10" caption="Serial 1"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_2.xml" name="Task_2"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 8</A:start>
    <A:finish>2001 8 1 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:successor name="Task_3" />
    <A:successor name="Task_4" />
  </A:task>
  <A:task activityID="1523" caption="Parallel 1"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_3.xml" name="Task_3"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 18</A:start>
    <A:finish>2001 8 2 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:predecessor name="Task_2" />
    <A:successor name="Task_5" />
  </A:task>
  <A:task activityID="1524" caption="Parallel 2"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_4.xml" name="Task_4"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 18</A:start>
    <A:finish>2001 8 2 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:predecessor name="Task_2" />
    <A:successor name="Task_5" />
  </A:task>
  <A:task activityID="1526" caption="Serial 2"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_5.xml" name="Task_5"
    owner="Worker"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 2 18</A:start>
    <A:finish>2001 8 3 18</A:finish>
    <A:supertask name="Task_1" />
    <A:user>JK</A:user>
    <A:predecessor name="Task_3" />
    <A:predecessor name="Task_4" />
  </A:task>
  <A:task activityID="NONE" caption="Serial And Parallel"
    link="Sample_Project_Plans/Serial_And_Parallel/Task_1.xml" name="Task_1"
    processURL="http://localhost:8080/webdav/ProcessGroup2/Process1.xml"
    type="general" userid="JK">
    <A:start>2001 8 1 8</A:start>
    <A:finish>2001 8 3 18</A:finish>
    <A:user>JK</A:user>
    <A:subtask name="Task_2" />
```

FIG. 59 3634660

FIG. 60

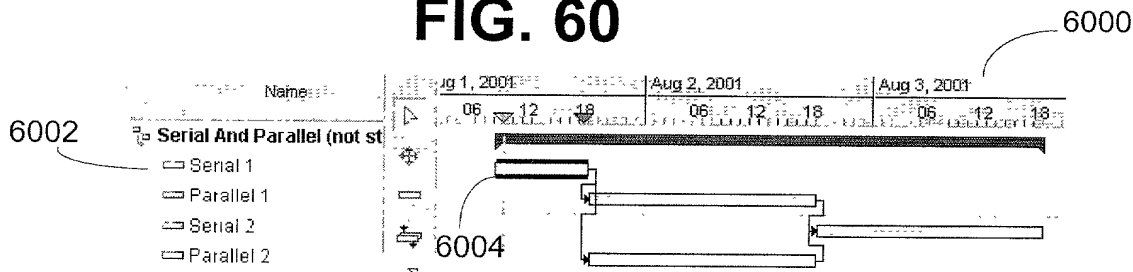


FIG. 61

```

<?xml version="1.0" encoding="UTF-8" ?>
<A:FilePropertyMap xmlns:A="adrenalin:">
  <A:factstart xmlns:A="workflow">2001 8 1 9</A:factstart>
  <A:factfinish xmlns:A="workflow">2001 8 1 14</A:factfinish>
  <A:ProjectTask xmlns:A="Serial 1" />
</A:FilePropertyMap>
  
```

FIG. 62

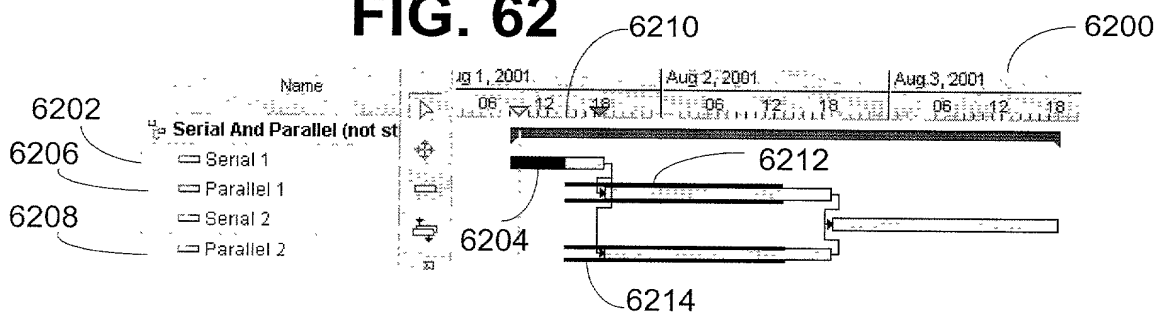


FIG. 63

```

<?xml version="1.0" encoding="UTF-8" ?>
<A:FilePropertyMap xmlns:A="adrenalin:">
  <A:factstart xmlns:A="workflow">2001 8 1 14</A:factstart>
  <A:factfinish xmlns:A="workflow">2001 8 2 0</A:factfinish>
  <A:ProjectTask xmlns:A="Parallel 1" />
  <A:ProjectTask xmlns:A="Parallel 2" />
</A:FilePropertyMap>
  
```

FIG. 64

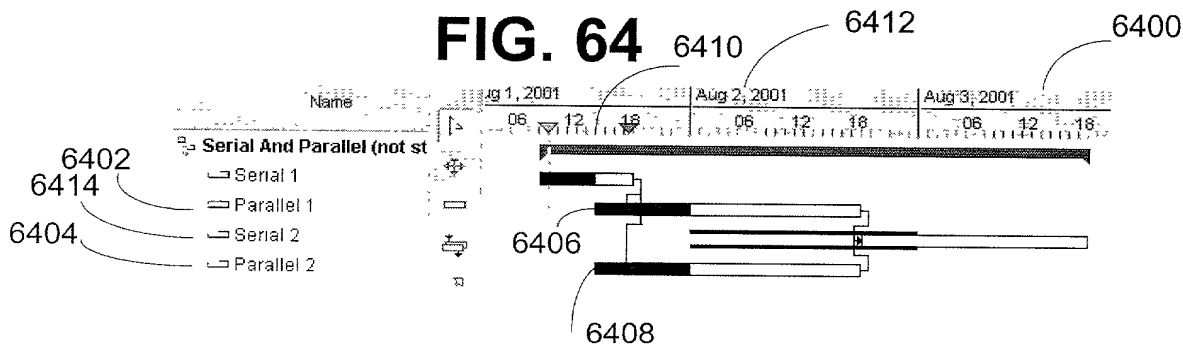


FIG. 65

6500

```
<?xml version="1.0" encoding="UTF-8" ?>
<A:FilePropertyMap xmlns:A="adrenalin:">
  <A:factstart xmlns:A="workflow">2001 8 2 0</A:factstart>
  <A:factfinish xmlns:A="workflow">2001 8 2 12</A:factfinish>
  <A:ProjectTask xmlns:A="Serial 2" />
</A:FilePropertyMap>
```

6504

6502

6506

FIG. 66

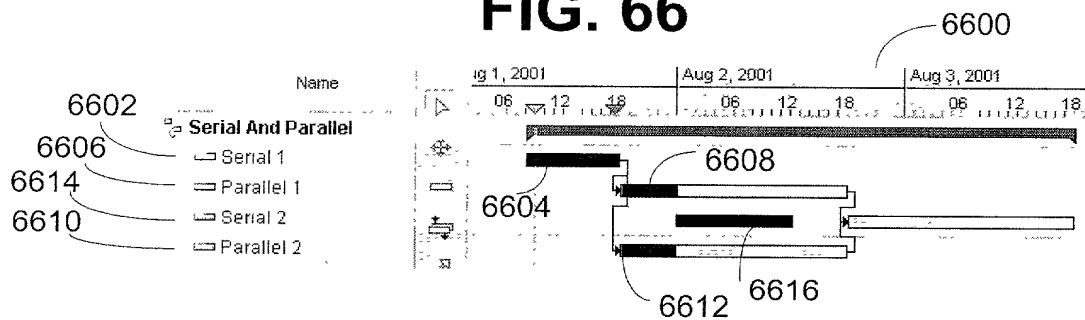


FIG. 67

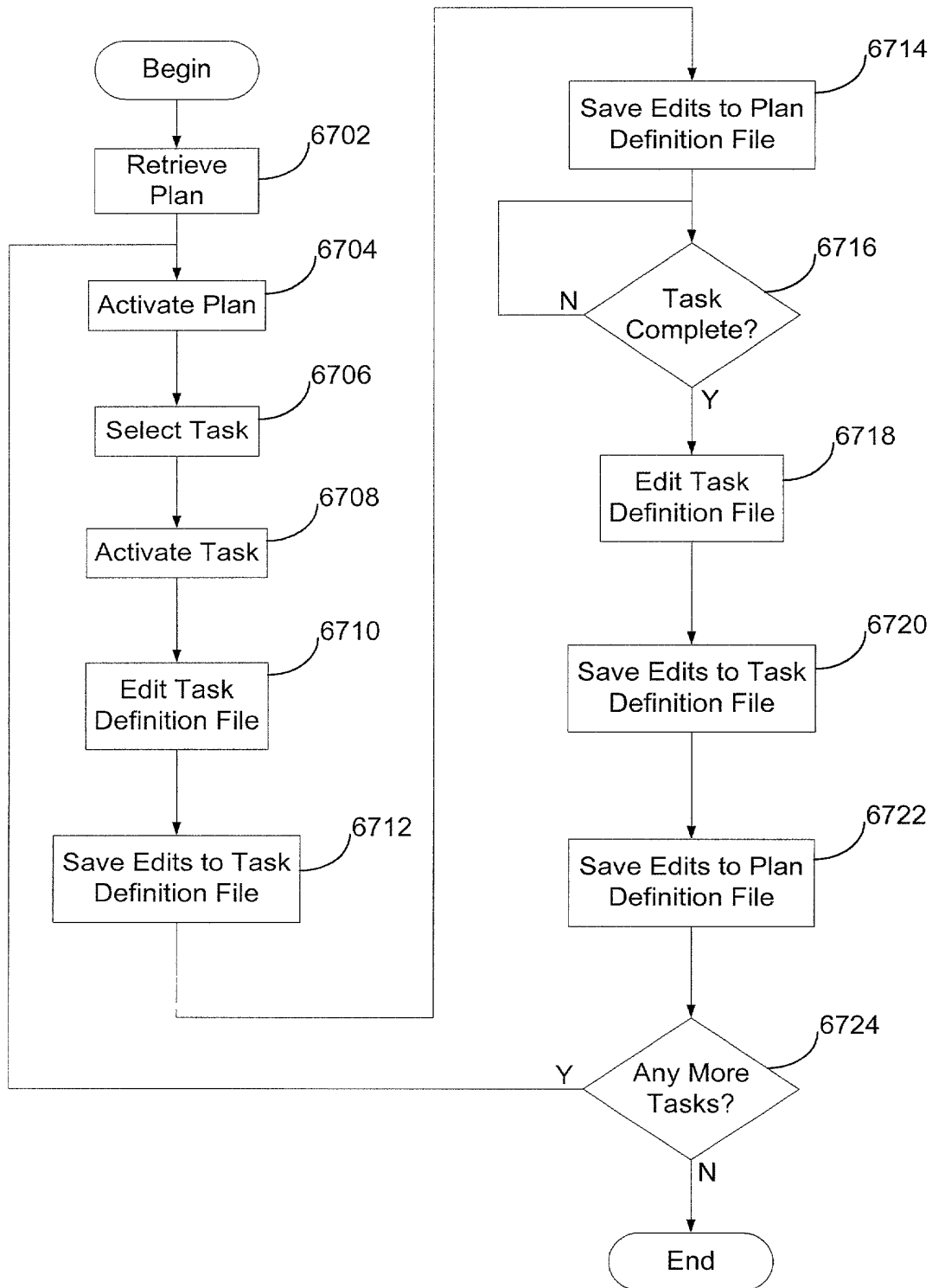


FIG. 68

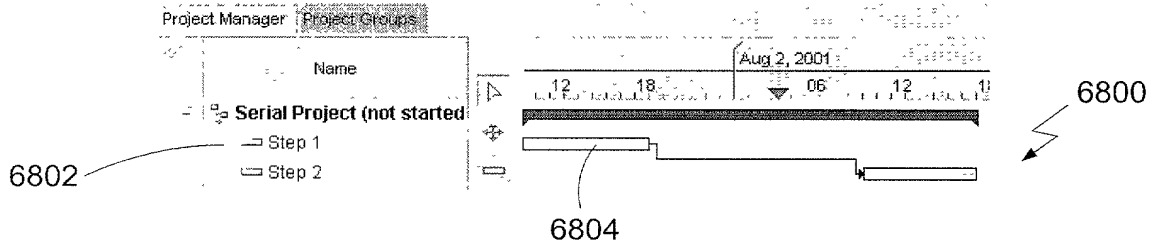


FIG. 69

6900

```

- <A:task activityID="10" caption="Step 1"
  link="Sample_Project_Plans/Serial_Project/Task_2.xml" name="Task_2"
  owner="Worker"
  processURL="http://localhost:8080/webdav/ProcessGroup2/Process2.xml"
  type="general" userid="JK">
  <A:start>2001 8 1 9</A:start>
  <A:finish>2001 8 1 18</A:finish>
  <A:supertask name="Task_1" />
  <A:user>JK</A:user>
  <A:successor name="Task_3" />
  <state>UNEXECUTED</state>
</A:task>
  
```

6902

FIG. 70

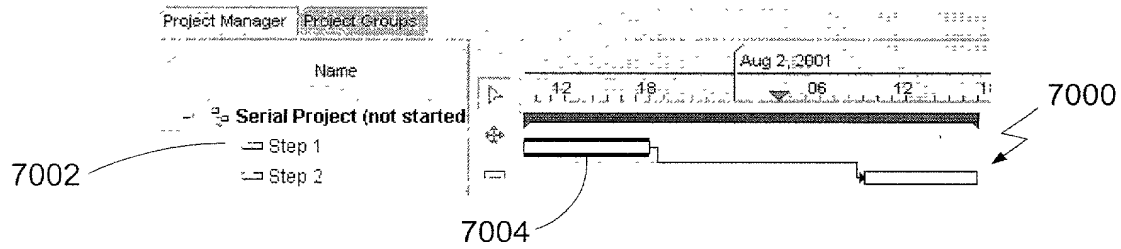


FIG. 71

```
<A:task activityID="10" caption="Step 1"
  link="Sample_Project_Plans/Serial_Project/Task_2.xml" name="Task_2"
  owner="Worker"
  processURL="http://localhost:8080/webdav/ProcessGroup2/Process2.xml"
  type="general" userid="JK">
  <A:start>2001 8 1 9</A:start>
  <A:finish>2001 8 1 18</A:finish>
  <A:supertask name="Task_1" />
  <A:user>JK</A:user>
  <A:successor name="Task_3" />
  <state>EXECUTING</state>
</A:task>
```

7102

7100

FIG. 72

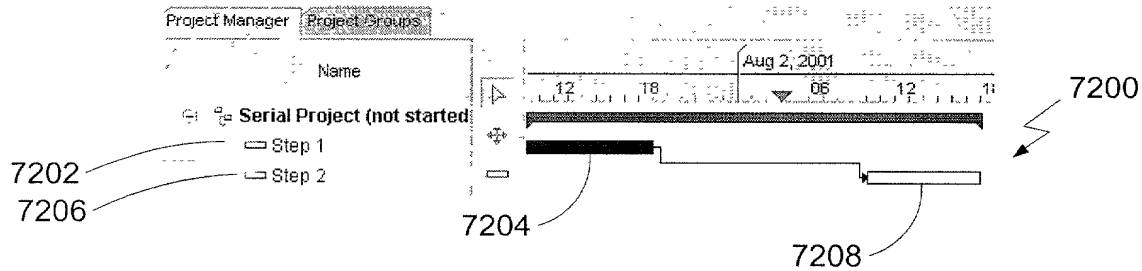


FIG. 73

```

- <A:task activityID="10" caption="Step 1"
  link="Sample_Project_Plans/Serial_Project/Task_2.xml" name="Task_2"
  owner="Worker"
  processURL="http://localhost:8080/webdav/ProcessGroup2/Process2.xml"
  type="general" userid="JK">
  <A:start>2001 8 1 9</A:start>
  <A:finish>2001 8 1 18</A:finish>
  <A:supertask name="Task_1" />
  <A:user>JK</A:user>
  <A:successor name="Task_3" />
  <state>EXECUTED</state>
</A:task>
  
```

7300

7302

FIG. 74

```

<A:task activityID="1527" caption="Step 2"
  link="Sample_Project_Plans/Serial_Project/Task_3.xml" name="Task_3"
  owner="Worker"
  processURL="http://localhost:8080/webdav/ProcessGroup2/Process2.xml"
  type="general" userid="JK">
  <A:start>2001 8 2 9</A:start>
  <A:finish>2001 8 2 17</A:finish>
  <A:supertask name="Task_1" />
  <A:user>JK</A:user>
  <A:predecessor name="Task_2" />
  <state>UNEXECUTED</state>
</A:task>
  
```

7400

7402

FIG. 75

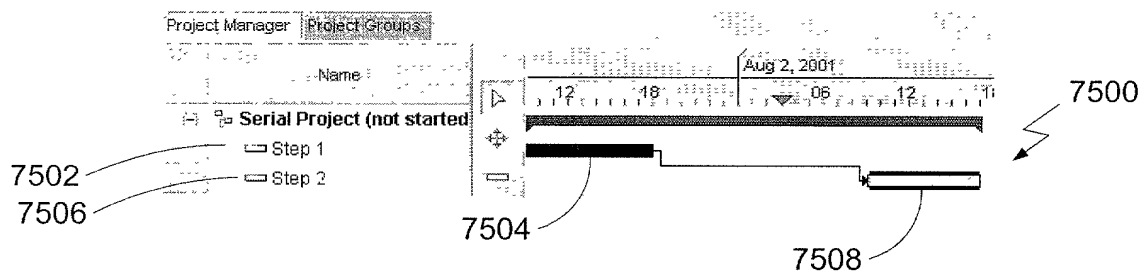


FIG. 76

```

- <A:task activityID="1527" caption="Step 2"
  link="Sample_Project_Plans/Serial_Project/Task_3.xml" name="Task_3"
  owner="Worker"
  processURL="http://localhost:8080/webdav/ProcessGroup2/Process2.xml"
  type="general" userid="JK">
  <A:start>2001 8 2 9</A:start>
  <A:finish>2001 8 2 17</A:finish>
  <A:supertask name="Task_1" />
  <A:user>JK</A:user>
  <A:predecessor name="Task_2" />
  <state>EXECUTING</state>
</A:task>
  
```

7600

7602

FIG. 77

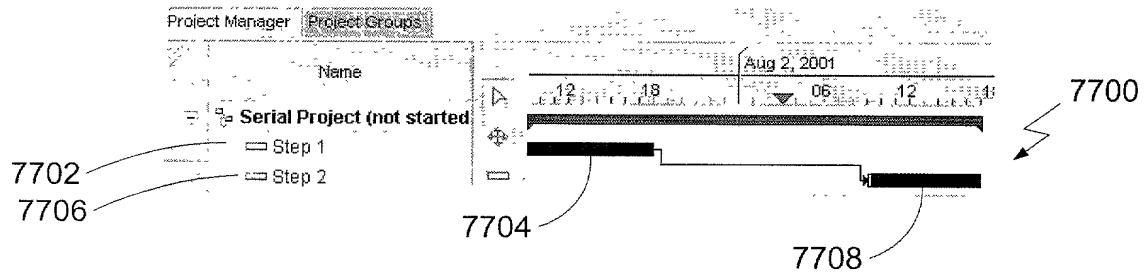


FIG. 78

```

- <A:task activityID="1527" caption="Step 2"
  link="Sample_Project_Plans/Serial_Project/Task_3.xml" name="Task_3"
  owner="Worker"
  processURL="http://localhost:8080/webdav/ProcessGroup2/Process2.xml"
  type="general" userid="JK">
  <A:start>2001 8 2 9</A:start>
  <A:finish>2001 8 2 17</A:finish>
  <A:supertask name="Task_1" />
  <A:user>JK</A:user>
  <A:predecessor name="Task_2" />
  <state>EXECUTED</state>
</A:task>
  
```

Labels 7800 and 7802 point to the XML code block.

FIG. 79

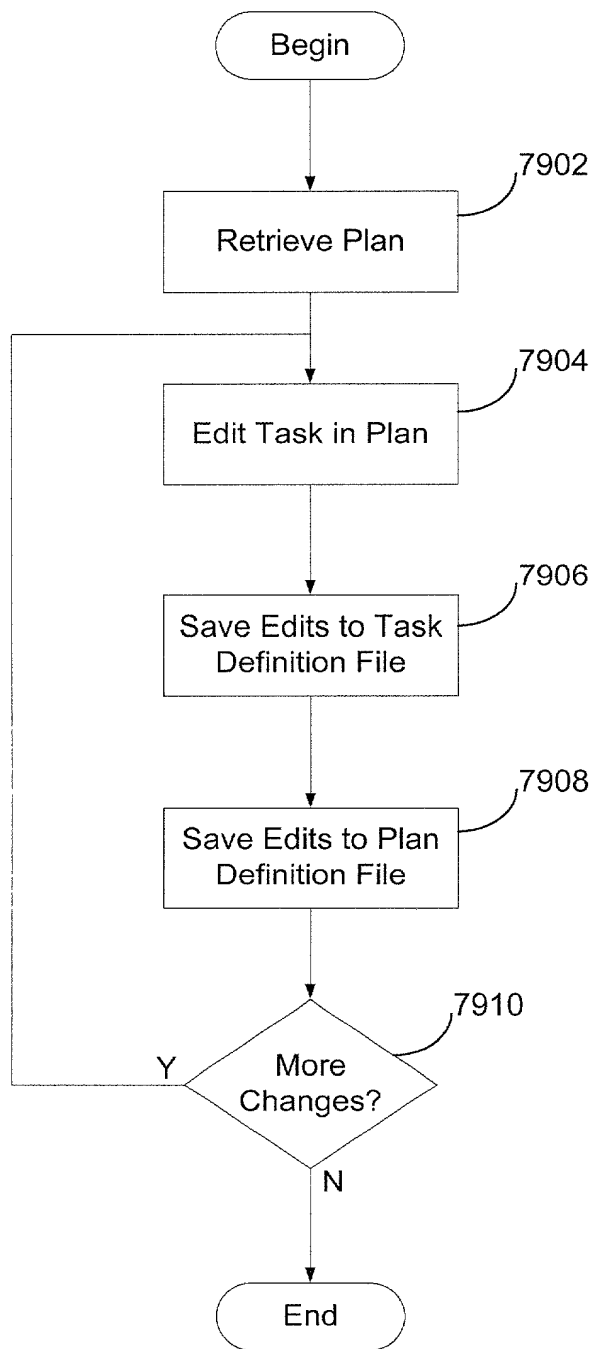


FIG. 80A

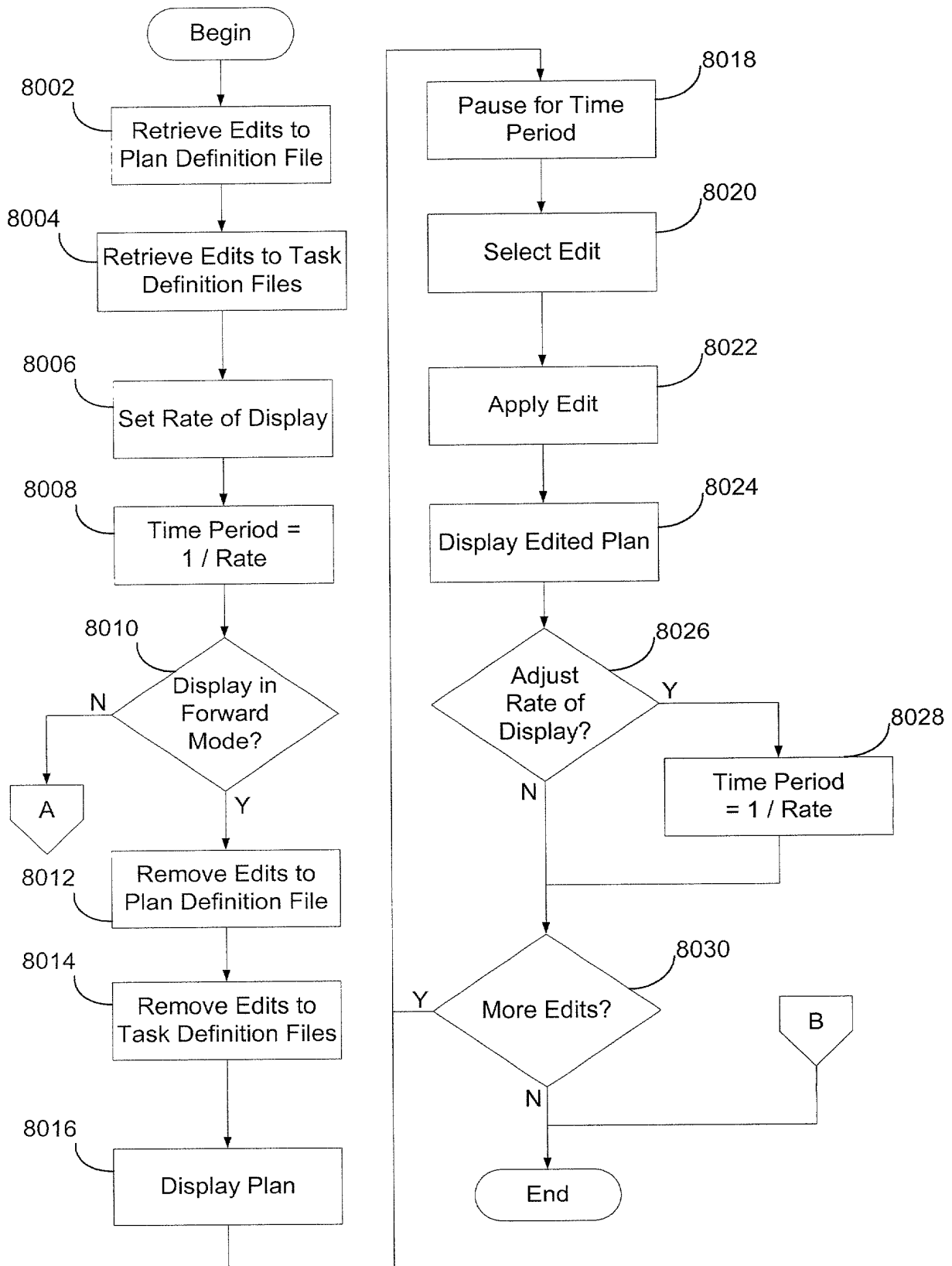


FIG. 80B

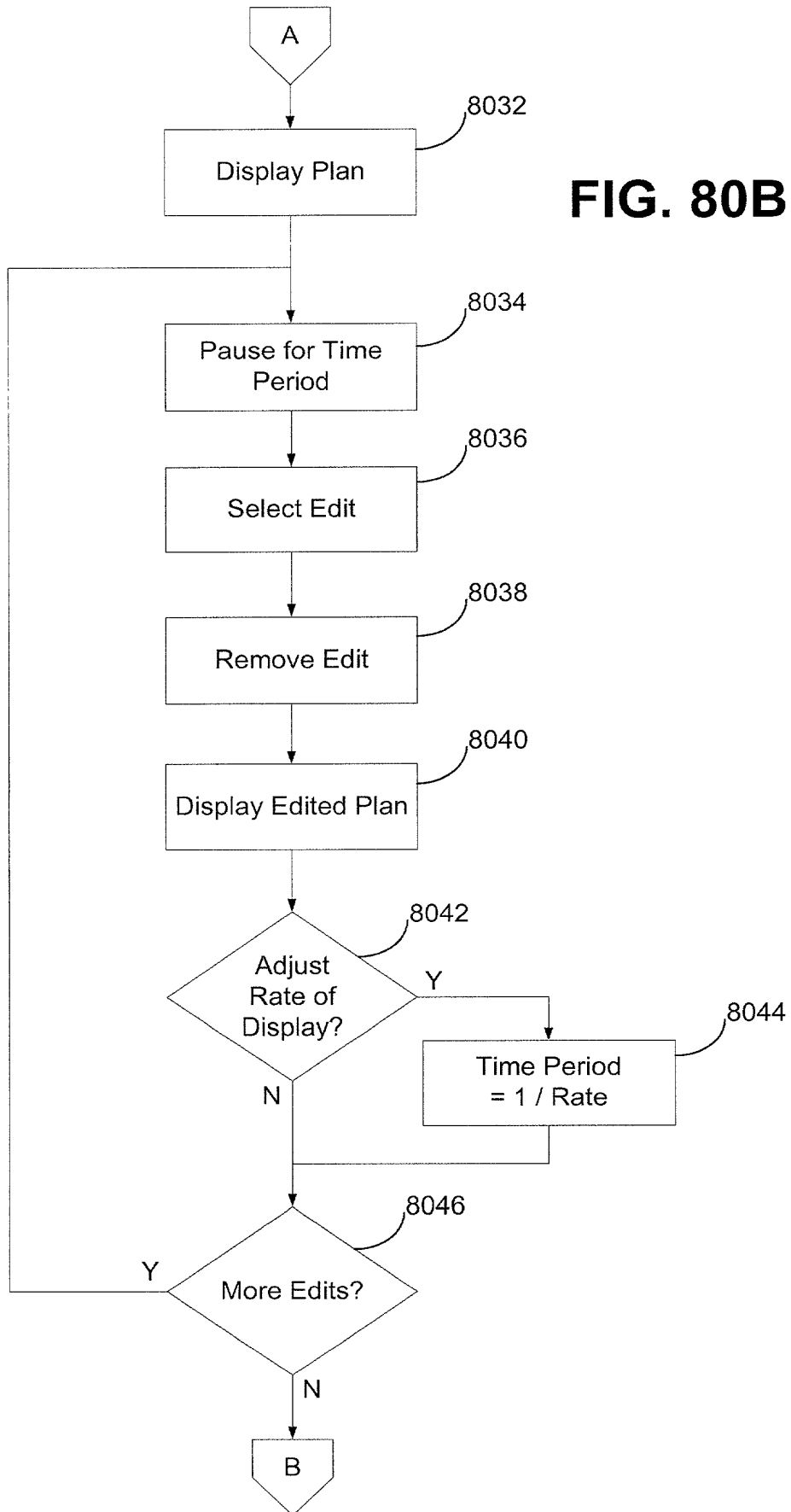


FIG. 81

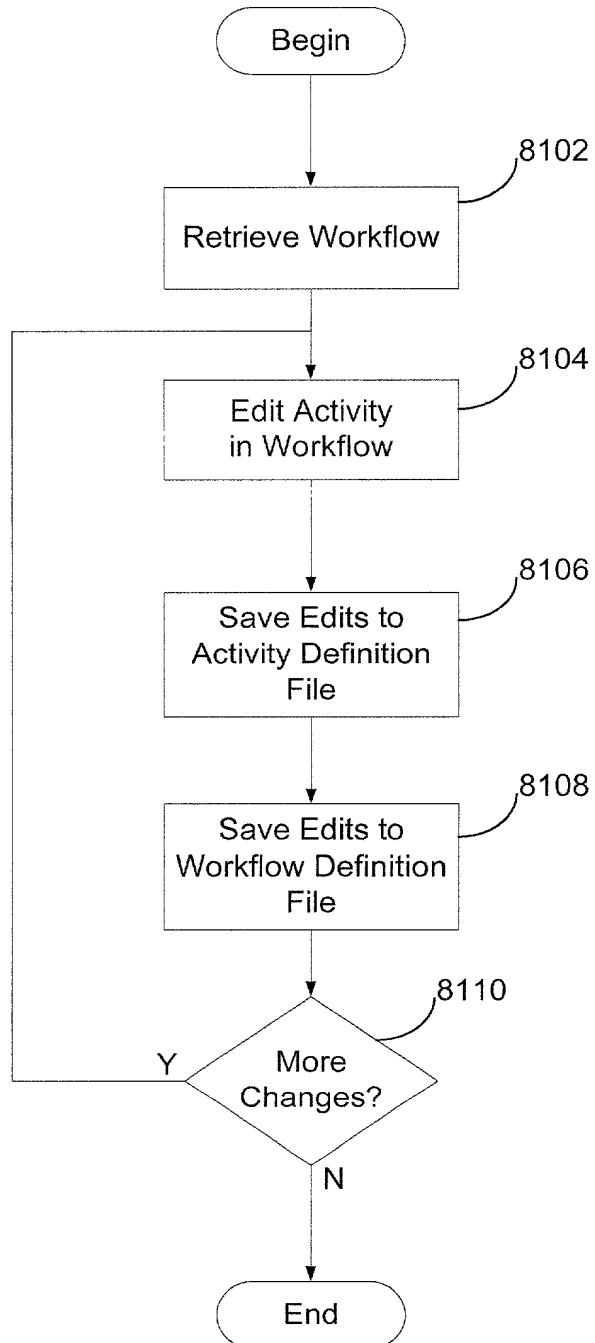


FIG. 82

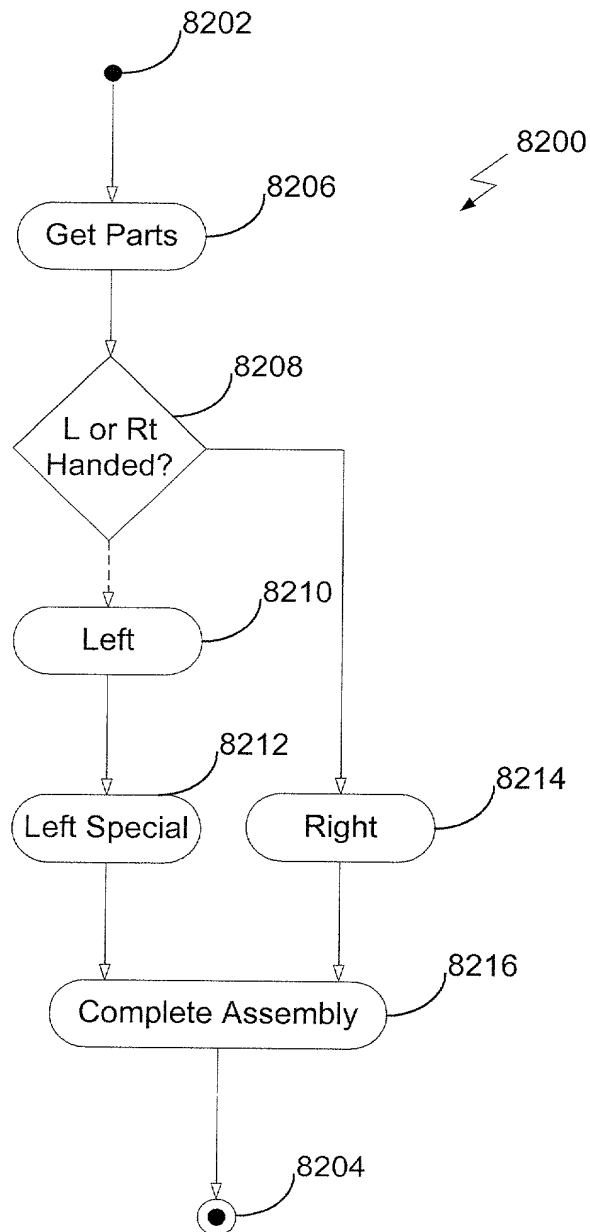


FIG. 83

8302

```
- <activity id="10" name="Get Parts" responsible="Assembler">
  <description />
  <defduration units="units" value="1" />
  <predecessors_id id="11" />
  <successors_id id="1522" />
  <out_aritfacts id="1527" />
</activity>
```

8304

8300

FIG. 84

```
- <activity id="1525" name="Right" responsible="Assembler">
  <description />
  <defduration units="units" value="1" />
  <predecessors_id id="1522" />
  <successors_id id="1526" />
  <out_aritfacts id="1533" />
</activity>
```

8400

FIG. 85

8502

```
- <activity id="1526" name="Complete Assembly" responsible="Assembler">
  <description />
  <defduration units="units" value="1" />
  <predecessors_id id="1524" />
  <predecessors_id id="1525" />
  <successors_id id="12" />
  <out_aritfacts id="1535" />
</activity>
```

8504

8500

FIG. 86

```
- <activity id="1523" name="Left" responsible="Assembler">
  <description />
  <defduration units="units" value="1" />
  <predecessors_id id="1522" />
  <successors_id id="1524" />
  <out_aritfacts id="1529" />
</activity>
```

8602

8600

FIG. 87

8702

```
- <activity id="1524" name="Left Special" responsible="Assembler">
  <description />
  <defduration units="units" value="1" />
  <predecessors_id id="1523" />
  <successors_id id="1526" />
  <out_aritfacts id="1531" />
</activity>
```

8700

FIG. 88

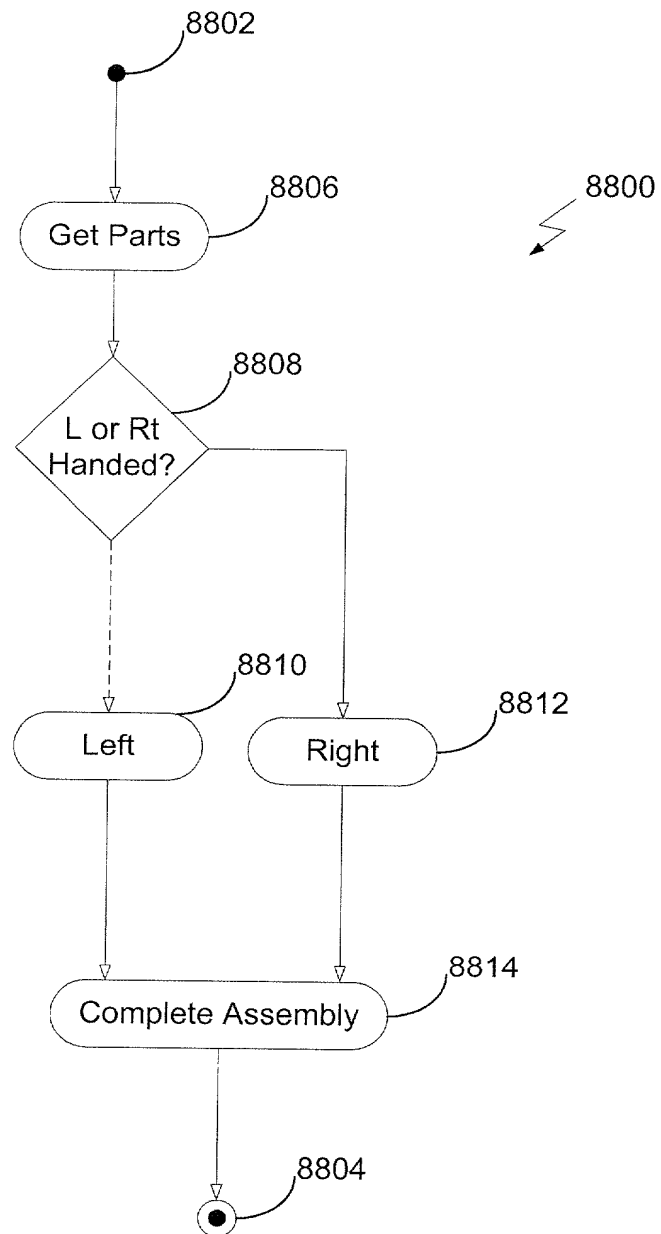


FIG. 89

8900

```
<activity id="1523" name="Left" responsiblerole="Assembler">
  <description />
  <defduration units="units" value="1" />
  <predecessors_id id="1522" />
  <successors_id id="1526" />
  <out_aritfacts id="1529" />
</activity>
```

8902

FIG. 90

9000

```
<activity id="1526" name="Complete Assembly" responsiblerole="Assembler">
  <description />
  <defduration units="units" value="1" />
  <predecessors_id id="1523" />
  <predecessors_id id="1525" />
  <successors_id id="12" />
  <out_aritfacts id="1535" />
</activity>
```

9002

FIG. 91

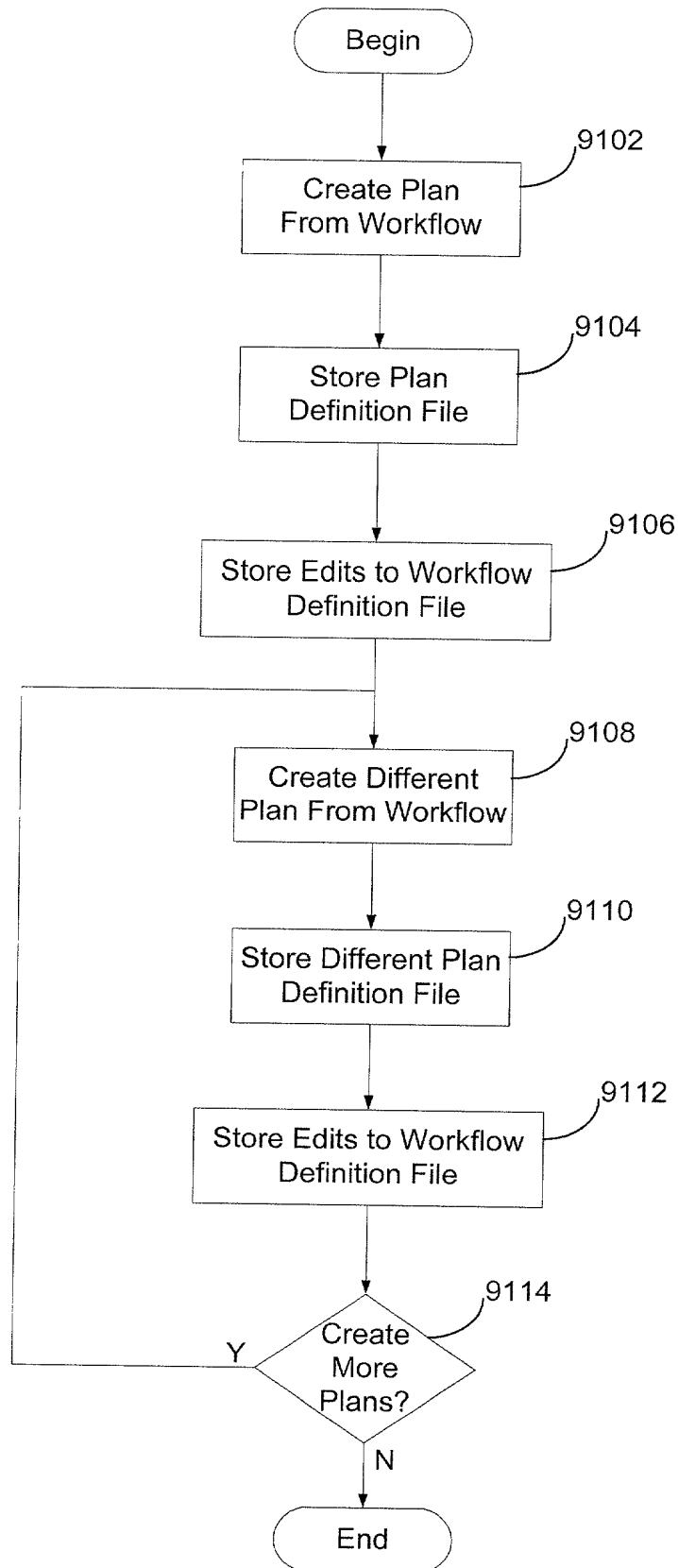


FIG. 92A

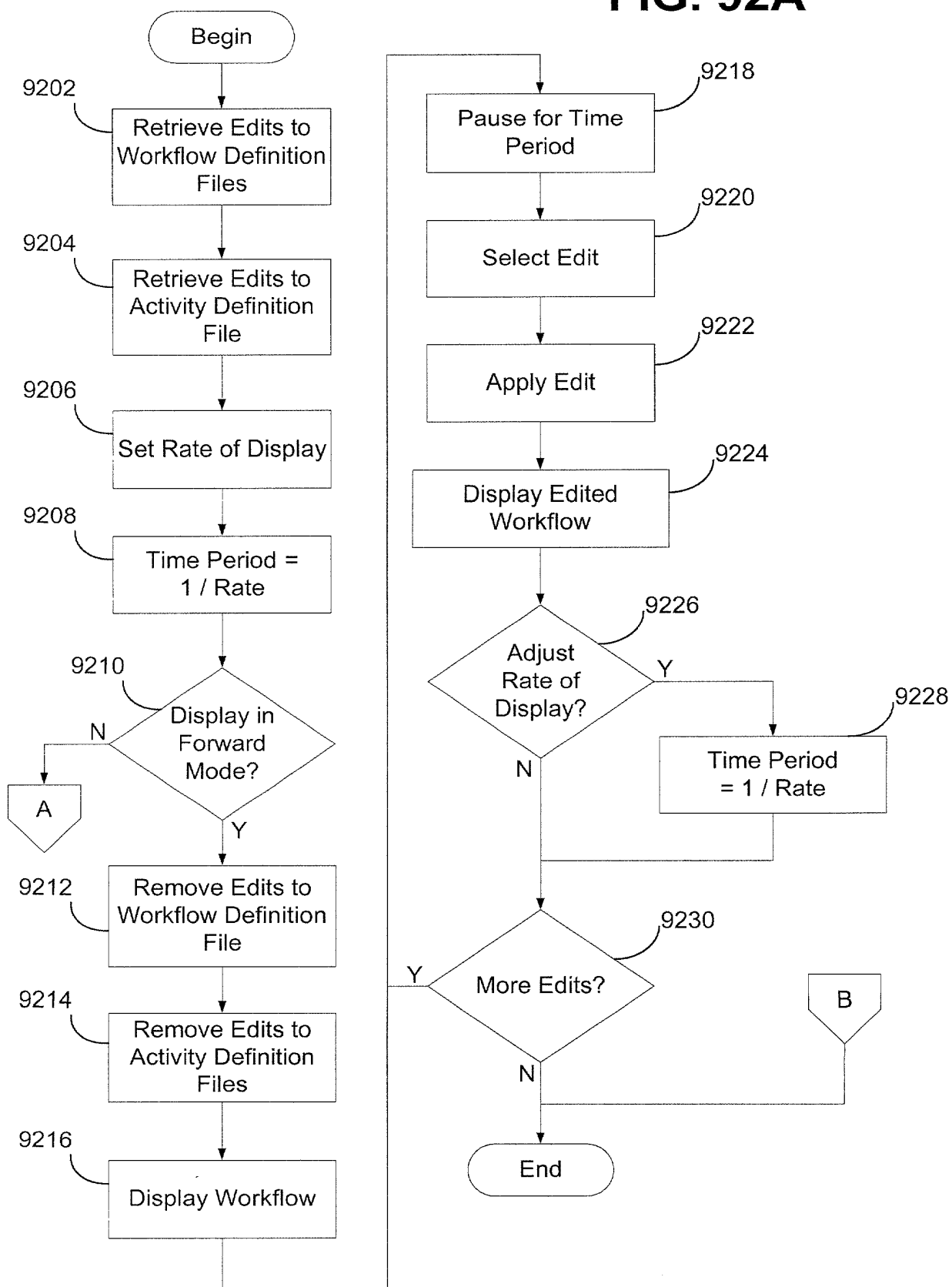


FIG. 92B

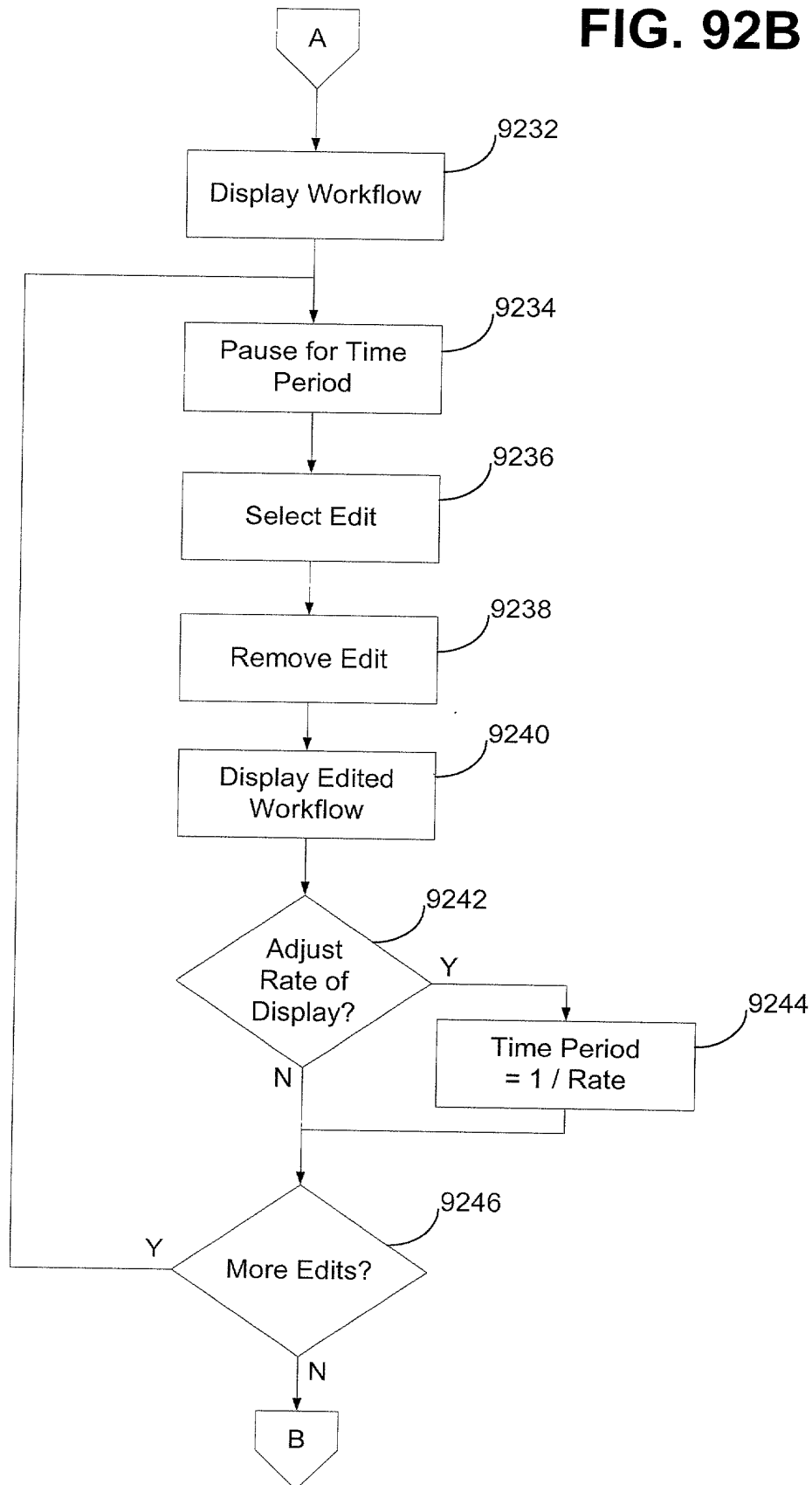


FIG. 92B